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AUTHOR INDEX

- Abai, M. 6548
 Abai, M. Ghildj- 7518
 Abaless, I. M. 961, 1637
 Abasa, R. O. 905, 1892,
 4990, 5653
 Abassi, M. 5110
 Abbas, S. A. 4965
 Abbassi, M. 6124, 6126
 Abbatiello, M. J. 1722
 Abd El-Fattah, M. I.
 3715, 3716
 Abd-El-Fattah, M. I. 4018
 Abd-El-Fattah, M. L.
 4364
 Abd-Elfattah, M. 1817
 Abdalla, K. 4252
 Abdallah, M. D. 1132,
 1133, 3171, 3283, 4671
 Abdallah, S. 4184
 Abdel-Fatah, M. S. 3267
 Abdel-Fattah, M. I. 5645,
 5646, 5986
 Abdel-Gawaad, A. A.
 5299, 5531
 Abdel-Ghafar, S. 6986
 Abdel-Hamid, A. M. 895
 Abdel-Karim, E. S. 2288,
 2446
 Abdel-Karim, E. S. H.
 1661
 Abdel Lateef, M. F. 2925
 Abdel-Malek, A. A. 4082
 Abdel-Megeed, M. I. 79
 Abdel Megeed, M. I.
 1148, 2467, 3348, 3899
 Abdel-Megeed, M. I.
 4359, 4976
 Abdel-Rahim, W. A. 3898
 Abdel-Rahman, H. 4459
 Abdel-Rahman, H. A.
 3142, 4080
 Abdel-Salam, A. L. 3376,
 3377, 3642
 Abdel-Salam, F. 1171
 Abdel Sayed, H. W. 2546,
 2547
 Abdel-Wahab, A. M. 3898
 Abdellatif, M. A. 517,
 2260
 Abdinbekova, A. A. 7118
 Abdu, R. M. 1786, 2486,
 7098
 Abdu Reda, M. 3429
 Abdul-Masih, A. M. E.
 4965
 Abdullaev, È. N. 6108
 Abdullaev, S. G. 6181
 Abdulmadzhid, A. A.
 2262
 Abdurahiman, U. C. 4603
 Abe, H. 4880
 Abe, I. 5703
 Abe, K. 5617
 Abe, Y. 2803
 Abelentsev, V. I. 6945
 Abernathy, J. R. 4357
 Ables, J. R. 4222
 Abney, T. S. 7359
 Abo El-Ghar, M. 4975
 Abou-Donia, M. 6987
 Abou-Donia, M. B. 1488,
 6986
 Abou-Elela, R. G. 4126,
 5354
 Abou-Ghadir, M. F. 5412
 Abou-Halawa, S. 6938
 Abouaziz, A. B. 1432
 Aboul Nasr, A. E. 5254
 Abouzied, N. H. 5506
 Abraham, C. C. 289, 290,
 937, 1297, 2798, 4793,
 4794
 Abraham, E. V. 828, 888,
 1387
 Abraham, R. 4217
 Abraham, V. A. 147,
 1928, 2010, 6030, 6089,
 7298
 Abreu, J. M. 1491, 3734,
 4383
 Abreu, L. E. V. 1457
 A'Brook, J. 4872
 Abruña, F. 1975
 Abul-Nasr, S. 178, 179,
 3501
 Abul-Nasr, S. E. 3780
 Abulghar, M. R. 4687
 Abushama, F. T. 1918,
 5874
 Acciavatti, R. E. 4720
 Achillides, N. Z. 501
 Achterberg, C. van 6444
 Adam Shafee, S. 4607
 Adams, L. E. 6170
 Adams, R. G., Jr. 4995
 Adamska-Wilczek, J. 1335
 Adamson, J. 3933
 Adashkevich, A. P. 5996
 Adashkevich, B. P. 5745,
 5996, 6355, 7207, 7340
 Addy, N. D. 3509
 Adeli, E. 6217
 Adenuga, A. O. 3015
 Adhikary, P. R. 5057
 Adkinson, P. 4372
 Adkisson, P. L. 237
 Adlakha, R. L. 1043, 7336
 Adler, V. E. 648
 Adlerz, W. C. 457
 Adomako, D. 944, 5780
 Aeschlimann, J. P. 1294,
 1896, 2128, 2157, 2255,
 7018
 Agacino, E. Morales 95
 Agaeva, Z. M. 6181
 Agarwal, A. K. 2424,
 5482
 Agarwal, K. B. 6404
 Agarwal, R. K. 4277
 Agee, H. R. 4009, 4012,
 4701
 Agnihotri, V. P.
 2380
 Agrawal, N. S. 938, 1563,
 6310, 6311
 Agrawal, P. K. 6874
 Agrawal, R. K. 1553,
 5891, 7203
 Agricultural Development
 and Advisory Service,
 Ministry of Agriculture,
 Fisheries and Food
 545
 Agricultural Research
 Council, UK 6427
 Agricultural Research
 Division, University of
 Botswana, Lesotho and
 Swaziland 5221
 Agricultural Research
 Service, United States
 Department of
 Agriculture 7396
 Agui, N. 591, 1129, 1130,
 2386, 7068
 Aguilar F., P. G. 1271,
 2707, 2708
 Aguilar, J. A. Sifuentes
 2988
 Aguilar, J. Salas 2091,
 2092
 Aguilar P., A. 699
 Aharonson, N. 1685, 6396
 Ahluwalia, P. J. S. 1258,
 1261, 1262, 3527, 4750
 Ahmad, I. 3375, 7035
 Ahmad, M. 3561
 Ahmad, M. I. 3758
 Ahmad, M. K. 2034, 2085
 Ahmad, R. 2328, 5998,
 6023

- Ahmad, Rafiq 774, 1272, 1280, 1386, 3541
 Ahmad, S. 1115, 3903, 6507
 Ahmed, A. A. 5874
 Ahmed, C. R. 5318
 Ahmed, F. 2070
 Ahmed, H. 1035, 5399
 Ahmed, M. 2776, 2913
 Ahmed, M. S. H. 3245
 Ahmed, M. Y. Y. 4083, 4085, 6459
 Ahmed, R. 7193
 Ahmed, S. M. 5299
 Ahnert, M. 297
 Aidley, D. J. 2507
 Aina, J. O. 1456, 6158, 6159
 Aitken, A. D. 3082
 Aizawa, K. 3849
 Aizenshtat, Z. 4051
 Ajami, A. M. 58, 2443
 Akai, H. 5312
 Akaike, N. 6505
 Åkerblom, M. 3307, 3308
 Akesson, N. B. 6902
 Akey, D. H. 4163
 Akhmedov, D. S. 6094
 Akhmedov, R. M. 7118
 Akhtar, M. 1259
 Akhtar, M. S. 3561, 4593
 Akhtar, S. 1063
 Akimov, I. A. 584, 5928
 Akinsola, E. A. 4860
 Akkermans, L. M. A. 5791
 Akramova, M. A. 3819
 Akranakul, P. 2729
 Akre, R. D. 2364
 Akutsu, K. 4471
 Al-Ali, A. S. 4965
 Al Badry, M. S. 269
 Al-Neamy, I. K. 4965
 Alam, M. 6178, 6179
 Alam, M. M. 773
 Alam, M. Z. 4180
 Alam, S. 4854
 Albarsanz, M. A. P. 1067
 Albrecht, F. O. 1858
 Albright, L. J. 6981
 Albrigo, L. G. 1431
 Aldrich, F. D. 4530
 Aldrich, H. C. 2213
 Aldrich, J. R. 3395
 Aleinikova, M. M. 2601
 Alekseenko, F. M. 2701
 Aleksidze, G. N. 6103
 Alex, J. F. 3565
 Alexander, M. 6419
 Alexopoulou, P. Vassilaina-4913
 Alford, D. V. 2849, 7601
 Alhassany, I. A. 3245
 Ali, A. D. 517, 2260, 4096
 Ali, A. M. 1039, 1040, 7614
 Ali, A. Maher 5254
 Ali, A. S. Al- 4965
 Ali, K. A. 829, 830, 888, 5921
 Ali, M. 597, 598, 6083
 Ali, M. H. 1299
 Ali, S. 6603
 Ali, T. M. M. 2819
 Aliev, A. A. 6204
 AliNiazee, M. T. 2020, 3471
 All, J. N. 2146, 2542, 3065, 3203, 4410, 5503, 5765
 Allan, D. J. 3515
 Allan, E. N. W. 3793
 Allaya, S. 494
 Allegret, P. 3410, 3414
 Allen, A. A. 7416
 Allen, A. J. W. 7194
 Allen, C. L. 2504
 Allen, D. C. 1425, 2145
 Allen, G. E. 952, 2698, 3132, 3133, 3531
 Allen, G. G. 3079
 Allen, H. W. 3369
 Allen, I. 3577
 Allen, J. C. 1196
 Allen, J. G. 6110
 Allen, W. A. 5326
 Alley, E. G. 1013, 1650
 Allsopp, P. G. 5838
 Allué, L. A. Q. 6471
 Allyson, S. 7032
 Alma, P. J. 1517, 2271
 Almeida, P. R. de 7329, 7390, 7404
 Almeida, W. F. 1697, 3337
 Alonso de Medina, F. J. 1523
 Alper, M. 4456
 Altahtawy, M. M. 961, 1637, 1912, 6493, 6494
 Altınayar, G. 7226
 Altwegg, A. 2233
 Alumot, E. 2312
 Álvarez, J. 1161
 Alvarez, J. 6583
 Alvez, C. 6684
 Alzuet, A. Bischoff de 2666
 Amante, E. 1428
 Amargier, A. 956
 Amici, A. 7250
 Amir, M. 5043
 Amiresami, M. 1033
 Ammal, L. S. 3349
 Amman, G. D. 5664, 5688
 Ammar, E. D. 25, 1898, 2183, 2184, 4168, 4256, 4828
 Amme, M. 5610
 Ammon, H. 5594
 Amoako-Atta, B. 3249, 7097
 Amonkar, S. V. 518
 Amos, T. G. 6275
 Ampe, G. 2651
 Amsden, R. C. 118
 Ananda Rao, L. V. 403
 Anandakrishnan, K. B. 893
 Ananthakrishnan, T. N. 1909, 2676, 7044, 7047
 Ananthasubramanian, K. S. 7047
 Anas, R. E. 3322, 5383
 Anastasova, K. 2000
 Anavaradham, L. 820
 Anaya, M. 1575
 Ančev, E. 4831
 Aneliz, C. E. Peña 3248
 Andersen, N. M. 1716
 Andersen, S. O. 1117
 Andersen, T. 117, 5373
 Anderson, H. 5936
 Anderson, J. 3750
 Anderson, J. F. 192, 909, 926, 2147, 2471, 5999
 Anderson, J. W. 5199
 Anderson, M. E. 3059, 4629, 4630
 Anderson, R. F. 2146, 7411
 Anderson, R. S. 4451
 Andersson, S. 5600
 Ando, Y. 2394
 Andreev, S. V. 3219
 Anees, M. A. 1055
 Angalet, G. W. 4714
 Angel, R. Vélez- 2703
 Angeles, N. de J. 338
 Angelini, A. 2558
 Angelova, P. 2887
 Angelova, R. 3873
 Angersbach, D. 31, 40, 2385
 Anglade, P. 83, 638, 1554
 Angood, S. A. S. Ba-5417, 7170
 Anjaneyulu, A. 6877
 Anjaneyulu, A. 2805
 Ankersmit, G. W. 6349, 7555
 Annecke, D. P. 16, 1279, 3362
 Ansari, M. A. 7101
 Anselmi, L. 130, 3489
 Anstee, J. H. 3521

- Anthon, E. 2416
 Anthon, E. W. 3107, 4910
 Anthony, D. M. 56
 Antipov, V. P. 1399
 Antonin, P. 3862, 6117
 Antonio, A. Q. 1845
 Antonova, V. P. 6084
 Antsiferova, T. A. 6157
 Anufriev, G. A. 7008
 Anwar Cheema, M. 1338
 Anwar, M. 3218, 3432, 5760
 Aoki, J. 2191, 2237, 2238, 4469, 4470, 5734, 6173
 Aoki, S. 2345
 Aplin, R. T. 1781
 Aponte L., O. 4385
 Appert, J. 1389
 Apple, J. W. 285, 1455
 Applebaum, S. W. 168, 593, 744
 Aquino, M. de L. N. 2005
 Aquino, M. de L. N. de 6670
 Araki, F. 7612
 Araki, T. 5155
 Arambourg, Y. 1830, 2575, 4780
 Aratake, Y. 485, 2192, 2193, 2198, 5737
 Araújo, F. E. de 3675, 3696, 4760, 4891, 4956, 4957
 Araújo Franqueira, J. H. de 1537
 Arbeitsgruppe für Integrierten Pflanzenschutz im Obstbau 7314
 Arbogast, R. T. 3834, 4093, 7188
 Archer, T. E. 1052, 4570
 Archer, T. L. 1159
 Archibald, R. D. 3134
 Ardley, J. H. 4434, 6276
 Arenas, R. 4940
 Areshnikov, B. A. 5752
 Arevad, K. 5376
 Arfert, H. 1047
 Argyriou, L. C. 5103, 6121, 6130
 Arias, A. 6684
 Arif, B. M. 2241
 Arita, Y. 7364
 Arkharova, L. A. 6765
 Arking, R. 540
 Arle, H. F. 2999
 Arlian, L. G. 3425
 Arlianti, R. 723
 Armati, P. 5850, 6519
 Armbrust, E. J. 2839, 5443
 Armenta C., S. 3699
 Armstrong, A. E. 2302
 Armstrong, D. A. 1051
 Armstrong, J. A. 5671
 Armstrong, J. W. 3086
 Arn, H. 1648, 1805, 2021, 3627, 7152, 7557
 Arndt, F. 4986
 Arndt, S. 1609
 Arnold, F. J. 4332, 4742, 6599, 6600
 Arnold, M. L. 7043
 Arnol'di, L. V. 7183
 Arnoux, J. 2957, 2964
 Arrand, J. C. 7309
 Arretz, P. 2889
 Arroyo, M. 5132
 Arru, G. M. 2264
 Arruda, E. C. de 2004
 Arruda, G. P. de 1719
 Arruda, H. V. 345
 Arruda, H. V. de 7404
 Arsenault, A. L. 3918
 Arshad, M. 3561
 Artemjeva, T. I. 2602
 Arthur, A. P. 3422, 5273
 Aruga, H. 965
 Arulsekhar, S. 2097
 Arunotal, S. Sri- 3824
 Aruta M., C. 5072
 Arutyunova, E. V. 5570
 Arzone, A. 5933, 6831
 Asai, J. 7498
 Asai, T. 2282
 Asakawa, M. 3284, 3436, 5785
 Asano, S. 1519
 Asari, K. P. 3733
 Asari, P. A. R. 2976
 Asayama, T. 2228, 3148, 4468, 7490, 7491, 7499, 7501
 Ascher, K. R. S. 1074, 1075, 1119, 1666, 3288, 3683, 3684, 4650, 6396, 7570
 Aschermann, S. 2625
 Asensio de la Sierra, E. 840
 Ashari 726, 727
 Ashburner, M. 6514
 Ashley, T. R. 2505, 4684
 Ashman, F. 501, 657, 935
 Ashraf, M. 1785, 1789, 2922, 3227, 3433
 Asjes, C. J. 943
 Askari, A. 4067
 Askew, R. R. 6632
 Aspöck, H. 2468
 Aspöck, U. 2468
 Asquith, D. 329
 Assaul, D. B. 6677
 Assaul, N. F. 6620
 Assem, J. van den 4225
 Assem, M. A. 1448, 2925, 3658, 3661, 3666, 3780
 Association of Applied Biologists 5411
 Assy, S. El- 334, 335
 Aston, J. L. 7600, 7604, 7605
 Aston, S. T. 3184
 Aston, W. P. 6897
 Atallah, Y. H. 1064
 Atanasov, A. Z. 5229
 Atanasov, N. 1220, 1638, 3655
 Atanasova, I. 5494
 Atanassov, N. 756
 Atger, P. 5730
 Atkins, E. L. 760, 761
 Atkins, M. D. 4135, 4406
 Atkinson, D. S. 2268
 Atkinson, P. 5221
 Atmar, J. W. 6558
 Atsusawa, S. 5266, 5267
 Atta, B. Amoako- 3249, 7097
 Attal, Z. M. El 1016, 3896, 3897
 Attia, F. I. 3701, 6288, 6958, 6965
 Attia, M. B. 4975
 Attiah, H. H. 851, 891
 Attri, B. S. 2047, 7677
 Atwa, W. A. 3142
 Atwal, A. S. 2771, 3143, 4829, 6315
 Auclair, J. L. 3405
 Audemard, H. 3623, 3874, 7551
 Auer, C. 2158, 5660
 Auersch, O. 6734
 Auge, D. 4518
 Auger, J. G. 2854, 2855, 2856
 Ausaf, R. 1035
 Austin, D. J. 5625
 Australia, Commonwealth Scientific and Industrial Research Organization 7686
 Avalos Q., F. 695
 Avanesova, G. A. 6429
 Avery, M. J. 6989
 Awad, T. M. 3941, 7667
 Awadallah, A. A. 3941
 Awadallah, A. 1038, 1039, 1647
 Awadallah, A. M. 5588
 Awadallah, K. T. 4773, 4774, 4775, 4776
 Awadallah, W. H. 819
 Awady, S. El- 1371, 4299

- Awady, S. M. El- 4886
 Awasthi, B. K. 1436
 Awata, N. 7053
 Ayad, F. A. 7614
 Ayengar, A. R. G. 146
 Ayertey, J. N. 5330
 Ayode, K. A. 4339
 Ayre, G. L. 4736
 Ayyavoo, R. 860, 864
 Azab, A. K. 1039, 1040,
 4773, 4774, 4775, 4776
 Azad Singh 3329
 Azam, K. M. 1299
 Aziz, A. Ben- 1685, 6396
 Aziz, S. A. 1299, 2813,
 3388, 4751, 7172
 Azmayesh-Fard, P. 5418
 Azmy, N. M. 4670
 Azuma, S. 6554
 Ba-Angood, S. A. S. 5417,
 7170
 Baba, T. 815
 Babaeva, B. Kh. 6181
 Babayan, G. A. 7307
 Babilas, W. 1321, 1349,
 1463, 2843, 6928
 B  bler, M. 6678
 Babu, P. C. S. 886
 Bacheler, J. S. 570, 2096,
 3447, 3448, 4134
 Backhouse, M. 200
 Bacon, O. G. 2973
 Badawi, A. 5588
 Badawy, A. 3705, 4000
 Badgley, M. E. 4014
 Badley, A. R. 4868
 Badowska, T. 7572
 Badry, E. A. El- 4085
 Badry, M. S. Al 269
 Badulin, A. V. 6675
 Baer, R. G. 2149, 6457
 Bagger, O. 5400
 Baggiolini, M. 2019, 2021,
 3260, 3627, 3628, 6117,
 6119, 7534, 7559
 Bagheri-Zenouz, E. 77
 Bagley, W. E. 7395
 Bahig, M. R. E. 3314
 Bahr, I. 2172, 4444, 5717
 Baicu, T. 5770
 Baiggi, F. Mejia- 7223,
 7225
 Bailey, E. 5427
 Bailey, J. B. 2857, 5786
 Bailey, J. C. 3257, 3669,
 4341, 4954
 Bailey, P. 1170
 Bailey, S. W. 6260, 6270
 Baillie, A. C. 5788
 Baillod, M. 1400
 Ba  muradov, T. B. 3305
 Bains, G. S. 4575
 Bains, S. S. 6315
 Bajan, C. 2960, 3153
 Baker, A. N. 799, 4347,
 5616
 Baker, B. S. 6514
 Baker, C. R. B. 87
 Baker, E. W. 1097, 1722,
 1727, 2326, 5371, 5470,
 6451
 Baker, G. L. 4986, 4989
 Baker, J. E. 44, 566, 1757,
 3381, 4053, 6277, 6472
 Baker, J. L. 3490
 Baker, J. T. 41
 Baker, R. 4628
 Baker, T. C. 1138, 2512
 Bakery, N. M. 1488
 Bakhetia, D. R. C. 348
 Bakke, A. 1142
 Bakker, K. 2492
 Bakker, W. 2557, 3802
 Bakry, N. M. 517, 2260,
 3961
 Bakuniak, E. 2277, 2961,
 3286
 Balarin, I. 3069, 4707,
 6823
 Balasubramaniam, A.
 2678
 Balasubramaniam, G. 827,
 3024, 6164
 Balasubramanian, A.
 5812, 6416, 7664
 Balasubramanian, G. 893
 Balasubramanian, M. 4916
 Balasubramanian, R. 1478,
 6686
 Balayannis, P. G. 5803
 Balderston, C. P. 1739
 Balevski, A. 320, 511
 Balevski, N. 7666
 Baliddawa, C. W. 4279
 Balinov, I. 128, 538, 1444
 Balinova, A. 128
 Balir, B. W. 4966
 Balkarn Singh 4269, 7247
 Ball, H. J. 2292, 2484
 Ballantyne, G. H. 1644
 Ballmer, G. R. 3712
 Baloch, G. M. 1323, 2749
 Balogun, R. A. 1120
 Balraj Singh 2771, 4829,
 4980, 7282
 Balrao Singh 3143
 Bals, E. J. 7584
 Baltensweiler, W. 3747,
 5661
 B  lutescu, I. 847, 1027
 Balyan, B. S. 579, 4649
 Ban, J. N. 3721
 Ban, J. Nguyen 1237
 Band, R. J. 7484
 Banditsing, C. 2008
 Bandyopadhyay, M. K.
 6866
 Banerjee, S. 4087
 Banerji, D. K. 1342
 Banham, F. L. 4564
 Banhawey, E. M. El- 208,
 211, 6437
 Baniabbassi, N. 268
 Banit  , E. 1348
 Ba  kowska, R. 2838
 Banks, H. J. 6251, 6260,
 6278
 Banks, W. A. 750, 1866,
 4196, 5432, 6980
 Bansal, H. C. 6867
 Bansch, R. 6279
 Bar, D. 6793
 Bar-Zev, A. 744
 Barak, A. V. 6574
 Baranowski, R. 3218
 Baranowski, R. M. 5270
 Baranowski, T. 1501
 Barbagallo, S. 1438, 4328
 Barbehenn, K. R. 6402,
 6403
 Barber, G. F. 1689
 Barber, I. A. 3063
 Barber, L. R. 5679
 Barbosa, P. 3054, 3144,
 4214
 Barbosa, V. M. B. 1715
 B  rbulescu, A. 273, 1340,
 1341, 1362, 1931, 1972,
 2508, 2783, 2795, 2821,
 4278, 5519, 6056, 6663,
 6697, 6921
 Bardhan, A. K. 4783
 Bardhan, D. R. 66
 Bardner, R. 3021
 Barger, J. H. 2140
 Bariola, L. A. 2999
 Barjac, H. de 5083
 Bark  , H. 6563
 Barker, J. F. 7080
 Barker, P. S. 4747, 5059,
 5060, 5061, 5062, 6865
 Barkhordary, M. 3808
 Barlow, J. S. 6478
 Barnes, B. N. 4223, 5469,
 5953
 Barnes, C. A. 5034, 7415
 Barnes, G. 6856
 Barnes, G. L. 2217
 Barnes, M. M. 3610
 Barnett, J. R. 1041, 3907
 Barnett, O. W. 2058
 Barney, W. P. 2937
 Barr, A. R. 4451
 Barr, W. F. 5687
 Barras, S. J. 5016

- Barreto Barbosa, V. M. 1715
 Barritt, B. H. 844, 1391
 Barron, J. R. 3981
 Barros Machado, A. de 213
 Barrows, E. M. 417
 Barry, B. D. 5880
 Barry, R. M. 865
 Bartelink, A. K. M. 1760, 4074
 Bartlett, A. C. 1783, 3443
 Bartlett, D. H. 3939, 7591
 Barton Browne, L. 1863, 2389, 2685, 4757, 5419
 Baruel, J. 5783
 Barybkina, M. N. 5282
 Basco, H. J. 4361
 Basedow, T. 822, 1198, 2781, 3581, 3892, 5487, 6040
 Basha, A. A. 824
 Bashford, M. A. 6766
 Bashir, S. El 392
 Baskaran, P. 4866, 6180
 Bass, J. A. 7126, 7178
 Bass, M. H. 3904, 5923
 Bassi, A. 2045
 Bassino, J. P. 6733, 7546, 7547
 Bassus, W. 3740, 5696
 Bastos, J. A. M. 936, 4766, 4768, 4892, 4893, 4943, 4944, 4945, 4946, 4947, 5243, 5574
 Basu, A. C. 2035, 7327
 Basu, A. N. 946
 Batalova, L. 3027
 Bate, C. M. 5854
 Bateman, M. A. 3926, 6906
 Bath, J. E. 947, 3116
 Batinica, J. 4591
 Batista, G. C. de 368
 Batra, H. W. 2048
 Batra, R. C. 341, 4653, 4887, 4888, 5890
 Batt, R. F. 1750
 Battu, G. S. 3143, 6315
 Batzakis, B. D. 4609
 Batzer, H. O. 434
 Bau, H. 1628
 Bauchhenss, J. 2949
 Bauchop, T. 2828
 Bauer, W. 6588
 Baugher, D. G. 6482
 Baughman, B. A. 4742
 Baughman, R. G. 4532
 Baumgartner, D. M. 5010, 5664
 Baumhover, A. H. 2415, 2942, 6192
 Baust, J. G. 7110
 Bayer UK Ltd. Agrochem Division 7528
 Bayo Lasebikan, B. 1254
 Bazin, M. J. 6197
 Bazyleva, T. A. 6084
 Beard, R. L. 1921, 2014, 2119, 2147, 2830
 Bearden, B. E. 2885
 Beardsley, J. W., Jr. 4781, 5446
 Beaton, C. D. 7049
 Beausoleil, J. M. 5473, 5475
 Beaver, R. A. 5674, 5692, 7029
 Beavers, J. B. 654, 3549, 4466, 5253, 5585, 6752
 Beck, S. D. 4163, 5857, 5858, 6469
 Becker, G. 3105, 4234, 4235, 7210
 Becker, V. O. 3076
 Beczner, L. 4295
 Bedard, W. D. 5023
 Beddington, J. R. 2716, 5363, 5364
 Bederka, J. P., Jr. 5171
 Bedford, E. C. G. 5955
 Bedford, G. O. 2847, 4300, 5929, 6357
 Bedi, A. 7036
 Bednyĭ, V. D. 5285, 5759
 Bedrylo, P. F. 5628
 Beeden, P. 391, 7515
 Beegle, C. C. 479, 2200, 6372
 Beenackers, A. M. T. 587
 Beerwinkle, K. R. 5379
 Beevor, P. S. 599, 2407, 3256, 4070, 5268, 5871, 6488
 Beg, M. N. 229, 253, 773, 1304, 7222
 Begin, J. J. 1041
 Beglyarov, G. A. 6354
 Behechti, N. D. 4316
 Behera, J. 7674
 Behrendt, K. 4524
 Behrenz, W. 1606
 Beija, A. P. 1542, 1545
 Beirne, B. P. 1289, 2250, 4285, 6211
 Beitz, H. 1045, 1050, 2295, 5805
 Beksultanov, S. Z. 7235
 Beland, F. A. 537
 Belisle, A. A. 2303, 6410
 Bell, C. H. 5347, 6959
 Bell, D. M. 3521
 Bell, J. V. 2234, 3128, 4472, 6780
 Bell, M. R. 2203, 3209
 Bell, R. A. 43, 2417, 3415, 6504, 6579
 Belli, G. 7250, 7293, 7481
 Belliveau, P. E. 6391
 Belocopitow, E. 6471
 Belonozhko, G. A. 6943
 Belova, N. D. 5613
 Bel'skaya, S. I. 7377
 Beltrán F., S. 1434
 Belvins, R. D. 2309
 Belyaeva, T. G. 5308, 6636
 Ben-Aziz, A. 1685, 6396
 Ben-Dov, Y. 558, 3994, 7005
 Ben Salah, H. 492, 493, 494
 Benassy, C. 5098, 6127, 6134
 Benazet, J. 6229
 Benedek, P. 4567
 Benedict, J. H. 4291
 Benezet, H. J. 6408
 Bengston, M. 3831
 Benham, B. R. 2401
 Benham, G. S., Jr. 957, 2576, 4463
 Benjamin, D. M. 2542, 3065, 3203, 4390, 4410, 5765
 Bennet-Clark, H. C. 2686
 Bennett, D. R. 2505, 4684
 Bennett, F. D. 229, 253, 1304, 1324, 7222
 Bennett, L. V. 2684
 Benoît, P. 5680, 5681
 Benthuyens, J. L. 1776
 Benton, A. H. 5471
 Benton, A. W. 1736, 4619, 4620
 Benton, T. A. 6844
 Bentur, J. S. 2488
 Benz, G. 54, 55, 2233, 3058, 6911, 7471
 Beranek, A. P. 606, 1745
 Beratlief, C. 5397
 Berberet, R. C. 3678, 4343, 6633
 Berck, B. 1053, 5712, 6273
 Bercken, J. van den 5791
 Berendt, O. 980, 5743, 5744, 5793
 Berestnev, L. I. 6172
 Berezvai, F. 4307
 Berg, M. 6290
 Berg, M. A. Van den 1506
 Berg, W. 7609
 Berganza, R. A. Mancilla 3248

- Berger, H. 7163, 7351, 7675
 Berger, I. 1180
 Berger, R. S. 5868
 Bergmann, E. D. 4051
 Berisford, C. W. 1273, 2149, 3037, 6457
 Berisford, Y. C. 963, 2735, 5728
 Berlinger, M. J. 6349
 Berliński, K. 6785
 Berlocher, S. 5345
 Berlowitz, A. 1424, 2885
 Bernays, E. A. 169, 6500
 Berndt, W. L. 5709
 Beroza, M. 131, 543, 760, 849, 1070, 3102, 3163, 3396, 3461, 3505, 3868, 3927, 4045, 5197, 5442, 5461, 5824, 6924, 7637
 Berrang, B. 308
 Berre, J. R. Le 6495
 Berreen, J. 5411
 Berridge, M. J. 2388
 Berry, A. A. El- 5531
 Berry, A. R. El- 2446, 2765
 Berry, I. L. 5379
 Berry, R. E. 2473, 2977
 Berry, R. W. 4357
 Berry, S. J. 6465
 Berst, A. H. 5212
 Bertels M., A. 2072
 Berti, N. 5539
 Bertin, A. 5107
 Bertuchoz, P. 2912
 Bertwell, R. L. 2525
 Bery, A. R. El- 2288
 Beš, A. 5649
 Besada, W. H. 1929
 Beşçeli, Ö. 7437
 Beshear, R. J. 2341, 3025, 4219
 Bess, H. A. 1958, 1987
 Best, R. L. 5440
 Bestagno, G. 5125
 Betbeder-Matibet, M. 246
 Bettany, B. W. 3256
 Betts, E. 6596
 Betz, N. L. 3281
 Beute, M. K. 120
 Bevan, W. J. 5598
 Bevenue, A. 7665
 Beydeşman, T. 6859
 Beye, C. M. 3637
 Beye, F. 1645
 Beynon, K. I. 3962, 7615
 Bezemer, L. D. 2175
 Bezerra de Carvalho, M. 2004, 2005
 Bezerra de Castro, Z. 4761, 4891, 6717
 Bezhanishvili, Ts. D. 6103
 Bhalla, J. S. 4269
 Bhalla, O. P. 2873, 7028, 7177, 7360
 Bhamburkar, M. W. 1946, 3593, 4841, 4842
 Bhan, A. K. 4573
 Bhanot, J. P. 2075, 3392, 6449
 Bhardwaj, A. K. 2051, 3093
 Bhardwaj, S. C. 4873, 4958
 Bhargava, S. 4016
 Bhaskaran, R. 6144
 Bhat, K. M. 3708, 6185
 Bhat, K. S. 3718
 Bhat, P. K. 403, 2105, 3019, 3020
 Bhatia, S. K. 5046, 5047, 6867, 7233
 Bhatkar, A. P. 4197, 4722
 Bhatnagar-Thomas, P. L. 59
 Bhatnagar, V. S. 1030, 3516, 5188
 Bhatnager, K. N. 4878
 Bhatt, N. S. 5856
 Bhattacharya, A. K. 4020, 5856
 Bhattacharjee, N. S. 6778
 Bhatti, A. H. 581
 Bhavnagary, H. M. 4528
 Bhoge Gowda, H. C. 4762
 Bhowmik, H. K. 6439
 Bhunya, S. P. 7674
 Biache, G. 6006, 6346
 Bialy, S. El- 5531
 Bianchi, H. 5098, 6134
 Bianco, M. 1412, 1643, 7301
 Biase, L. Micieli de 6746
 Bibolini, C. 1437
 Bichevskis, M. Ya. 6815
 Bichoo, S. L. 863
 Biddle, A. J. 3951
 Bidleman, T. F. 5211
 Bieber, L. L. 34
 Bielawski, R. 2622
 Bielinska, M. 3525
 Bielorai, R. 2312
 Biémont, J. C. 649, 3235
 Bienie, D. 5821
 Bierl, B. A. 131, 849, 3163, 3505, 4045, 5442, 5461, 5824, 6924
 Biernaux, J. 2660, 2662
 Biesele, J. J. 1585
 Biever, K. D. 316, 2936, 5205
 Biezanko, C. M. 2112
 Bigger, M. 6197
 Biggerstaff, S. M. 3938
 Bigley, W. S. 752
 Bigornia, A. E. 6747
 Bilewicz-Pawińska, T. 91, 196, 197, 4216
 Billings, R. F. 5033, 5658, 7414
 Bílý, S. 6443
 Bin, F. 1979, 2329
 Binazzi, A. 3646, 3727
 Bindra, O. S. 341, 2114, 4788, 4887, 4888, 5080, 6274, 7198, 7200, 7470
 Bink, F. A. 3000
 Binning, L. K. 358
 Binns, E. S. 1924
 Biologische Bundesanstalt für Land- und Forstwirtschaft 1599
 Birch, M. C. 4638, 5023, 69
 Bird, F. T. 469
 Bird, J. 1327, 2187, 6768
 Birk, Y. 3807
 Bischoff de Alzuet, A. 2666
 Bischoff, J. 4442, 6309
 Bishara, R. H. 1017, 1018
 Bishara, S. I. 1024, 2287, 3439, 7650, 7651
 Bishlawy, S. M. El- 4129, 6616
 Bishop, P. M. 3533
 Bissell, T. L. 2117
 Biswal, L. D. 1675
 Bitman, J. 530, 2310
 Bitran, E. A. 1558, 7469
 Bjegović, P. 778, 5448
 Björkman, I. 6764
 Black, L. M. 121, 2185, 3496
 Blackman, R. L. 1110, 1190, 4078, 7578
 Blahutiak, A. 1195
 Blair, B. W. 564, 5940, 7171
 Blais, C. 5258
 Blaisinger, P. 5386
 Blake, D. H. 1724
 Blake, J. D. 41
 Blanc, A. 5678
 Blanc, M. 5678
 Blaney, W. M. 4193
 Blanke, R. V. 5814
 Blankemeyer, J. T. 4451
 Blarcum, C. L. Van 6385
 Blewett, M. 1775
 Blight, M. M. 4759, 5306
 Blinova, S. L. 5997
 Bloch, S. 5291
 Blocker, H. D. 2525
 Blommers, L. 2712, 2713, 4790

- Blomquist, G. J. 4200
 Blum, M. S. 753, 1265,
 1776, 2410, 3530, 4043
 Blumberg, D. 1988, 2721,
 4301, 7324
 Blus, L. J. 2303
 Blythe, J. L. 849, 3396,
 6924, 7302
 Boas, A. M. V. 6669
 Boboye, S. O. 2894
 Bochkareva, Z. A. 5530
 Bockbreder, C. 1116
 Bocquet, C. 2455
 Bockez, J. 516, 6238, 6862
 Bode, W. M. 329
 Bodenstein, O. F. 6953
 Bodhade, S. N. 4818, 7215
 Boedijono, W. A. 250
 Boelens, R. G. 2302
 Boethel, D. J. 319, 2217,
 6715, 6716
 Bogarada, A. P. 7219
 Bogavac, M. 5479
 Bogenschütz, H. 5196,
 5663
 Bognár, S. 2610, 4308
 Bogs, D. 933, 4443, 5049,
 5705, 6309
 Bogyo, T. P. 2530, 3223,
 3224
 Böhlemann, J. 5748
 Bohn, G. W. 3656
 Böhner, B. 5773
 Boiteau, G. 5851
 Bojarski, S. 373
 Bolay, A. 6117
 Bolchi, G. Serini 2006,
 6028
 Boldt, P. E. 2936, 3508
 Boldyrev, M. I. 6726
 Boles, H. P. 3789
 Bollag, J. M. 1706, 6944
 Bolland, H. R. 1093
 Boller, E. F. 73, 3225,
 4171, 4172, 4717, 4723,
 4909, 5134, 5271, 5971,
 6736, 7158, 7556
 Bolton, B. 8
 Bolwyn, B. 1691
 Bombosch, S. 7123
 Bond, C. A. 1687
 Bond, D. A. 3659
 Bond, E. J. 1057, 1665,
 3094, 5799, 6256, 6397
 Bond, J. 3295
 Bondarenko, N. V. 6619
 Boness, M. 1632, 2266,
 3206
 Bonin, W. 7611
 Bonnemaïson, L. 6531
 Bonnot, G. 1235, 1236,
 2706, 6463
 Boonyonk, C. 1200
 Booth, G. M. 523
 Bordás, B. 5883
 Borden, J. H. 61, 5064
 Borg, A. 3517, 6040
 Borg, T. K. 2417
 Börger, H. 1985
 Bořkovec, A. B. 1012,
 1155, 3161, 7571
 Borle, M. N. 4818, 7215
 Bornás, M. de 338
 Börner, H. 4488
 Borodin, A. L. 5670, 7432
 Borollosy, F. M. El- 1668
 Boroumand, H. 5842
 Borthwick, P. W. 2300
 Bos, J. van den 6847
 Bosch, J. 1604, 7562
 Bosch, R. van den 388,
 898, 2254, 3158, 7635
 Boscher, J. 5631
 Bose, B. N. 7231
 Bosenko, L. I. 6815
 Bosley, D. 3060
 Bosman, I. P. 5946
 Bosquet, G. 6476
 Bostanian, J. J. 6914
 Bostanian, N. J. 4425
 Bot, J. 5923
 Botelho, P. S. M. 4700
 Bottrell, K. J. 7378
 Bouček, Z. 559, 1726,
 3370, 4598, 5450
 Boulay, C. 2423
 Boulay, G. 4028
 Boulétreau, M. 6022
 Bounias, M. 4274, 5073
 Bourke, J. B. 2315, 4502
 Bourke, R. M. 5500
 Bournier, J. P. 3207, 4024
 Bournoville, R. 2841, 4294
 Boush, G. M. 444
 Bouyjou, B. 2763, 2764
 Bovey, P. 7299
 Bowden, J. 1089, 2646
 Bowden, J. A. 3300, 6946
 Bowen, H. D. 2096, 3447,
 3448
 Bowen, R. 5723
 Bowers, W. S. 600, 6936
 Bowman, M. C. 1981
 Boyarkina, G. N. 6572
 Boyd, F. J., Jr. 3453
 Boyd, J. E. 7660
 Boyd, J. F. 541
 Boyd, N. D. 2694, 2695,
 4198
 Boyer, W. P. 997
 Bozai, J. 4002
 Braasch, D. 2888
 Braasch, H. 2174
 Bracke, J. W. 1144
 Bradbury, F. R. 3220
 Brader, L. 2640, 5117,
 7531
 Bradley, E. L. 1520, 3928,
 5307
 Bradley, J. R., Jr. 570,
 2096, 3447, 3448, 4263,
 6522, 6523
 Bradshaw, J. W. S. 4628
 Bradshaw, T. I. 3506
 Brady, E. U. 6225
 Brady, U. E. 635, 1508,
 2500, 2501
 Braesch, S. Fuzeau- 167,
 4692
 Bragg, D. E. 763
 Brahme, S. D. 1260
 Braithwaite, B. M. 6704
 Brajendra Singh 4654
 Brakefield, J. J. 7591
 Brammanis, L. 1510, 5691
 Brand, J. M. 1144, 1265
 Brand, R. J. 470, 1320,
 2110, 2209, 2210
 Branson, T. F. 4732, 5897
 Braquehais, F. 419
 Braun, H. E. 1658, 2302,
 5212, 6360
 Bräunling, H. 2659
 Bravenboer, L. 6903
 Brazil, Programa Nacional
 de Melhoramento da
 Cana-de-Açúcar 4824
 Brazzel, J. R. 3453
 Brehelin, M. 165
 Bremer, K. 6038, 7227
 Bremer, R. 2308
 Brendell, M. J. D. 7
 Brennan, M. M. 4047
 Brennan, P. A. 3778, 5411
 Bressau, G. 7569
 Brett, C. H. 2915
 Brettell, J. H. 1049
 Breugnon, M. M. 6495
 Breuning, S. 2076
 Breuzet, M. 7086
 Brewer, F. D. 1227, 3408,
 6577, 6665, 6666
 Brewer, H. L. 5644
 Brewer, J. W. 6000
 Briceño Vergara, A. 5847
 Brieger, G. 1003
 Bringham, R. D. 4357
 Bright, J. N. 6838
 Brindley, T. A. 7485
 Brindley, W. A. 521,
 1662, 1667
 Brinton, F. E. 2880
 Briolini, G. 7538
 British Columbia University
 6514

- British Crop Protection Council 7574
- British Food Manufacturing Industries Research Association 6854
- British Pest Control Association 5172
- British Standards Institution 3795
- Britskii, Ya. V. 5628
- Brncic, D. 2532
- Broadley, R. H. 6193, 6194, 6797
- Brocard, C. 1839
- Broek, A. T. M. van den 587
- Broek, W. van den 1569
- Broersma, D. B. 7359
- Brogdon, J. E. 4701
- Bronczyk, S. 1690
- Broodryk, S. W. 879, 5951
- Brooks, G. T. 6983, 7597
- Brooks, M. A. 1835
- Brooks, W. M. 482, 3129, 3671
- Broome, J. R. 3535, 4119
- Brower, A. E. 5240
- Brower, J. H. 1124, 1789, 2458, 3430, 3435, 3792, 4021, 4084, 5316, 6225, 6240
- Brown, A. W. A. 6025
- Brown, D. G. 6953
- Brown, G. R. 6957
- Brown, J. M. M. 4049
- Brown, J. R. 6387
- Brown, L. R. 3040
- Brown, M. 4467
- Brown, M. J. 1210
- Brown, P. M. 3919
- Brown, W. L., Jr. 4608
- Browne, F. G. 549, 2340, 3482, 6826, 7029
- Browne, L. B. 1863, 2389, 2685, 4757, 5419
- Browne, L. E. 1144, 4631
- Browne, R. W. 2554, 3469, 3470
- Bruce, W. A. 1823, 1843, 5317, 7465
- Brudea, V. 841, 842, 843, 1980
- Brun, P. 1305, 2571, 6123
- Bruneau de Miré, P. 1494
- Brunel, E. 2652, 2957, 2964, 5392, 7156
- Brunner, J. F. 1288
- Brussel, E. W. van 2893, 4997
- Bry, R. E. 3083, 4429, 5702, 6254, 7461
- Bryan, D. E. 6566
- Bryant, D. G. 421, 3743
- Bryant, H. E. 1041
- Bryce, I. J. Graham- 3965, 7560, 7596, 7620
- Brzezińska, K. 415
- Buchan, P. R. 4911
- Buck, N. A. 2997
- Buckner, C. H. 771, 916, 5656, 5816
- Budnik, M. 2532
- Bues, R. 1230, 1830, 2661, 5393, 6516
- Bugbee, R. E. 1076
- Bughio, A. R. 1785, 2922, 3227
- Buhl, C. 2770
- Buholzer, F. 7607
- Buitendag, C. H. 340
- Buleza, V. V. 2727, 5284
- Bulina, V. M. 5288
- Bulkley, R. V. 7671
- Bull, D. L. 535, 1036, 2995, 6406, 6407, 6990, 7521
- Bull, R. M. 5238
- Bullock, R. C. 2897
- Bund, C. F. van de 2583, 4740, 4741
- Bundesanstalt für Pflanzenschutz, Wien 6650, 6991
- Bunting, E. S. 2082
- Bunyan, P. J. 3919, 6405
- Burbano, F. 4940
- Burdajewicz, S. 1336, 1337, 4705
- Burdekin, D. A. 3735
- Burditt, A. K., Jr. 2561, 3218
- Bureau of Sugar Experiment Stations 4250
- Buren, W. F. 2698, 3531, 5432
- Burger, H. C. 2583, 4740, 4741, 6453
- Burgerjon, A. 2553, 6346
- Burges, H. D. 184, 988, 2197, 4484, 6336
- Burgess, L. 7155
- Burgess, R. E. 4056
- Burgett, M. 2729
- Burgos, J. A. 7223, 7224
- Buriff, C. R. 3621, 3927
- Burke, H. R. 1331, 3996, 5973
- Burkhardt, C. C. 189, 2259
- Burkholder, W. E. 444, 4642, 6489, 6574, 7056
- Burks, B. D. 1717
- Burks, M. L. 784
- Burleigh, J. G. 2736
- Burnett, P. A. 3577
- Burns, A. L. 7050
- Burns, B. G. 6421
- Burns, J. E. 2298
- Burns, R. G. 6952
- Burnside, J. A. 2465, 5880
- Burrage, R. H. 1251
- Burrell, N. J. 5411
- Burrows, M. 736, 4753, 4754
- Burt, E. C. 2991
- Burth, U. 2013
- Burton, R. L. 291, 2569, 3404, 5485
- Burton, V. E. 1452, 4261
- Burton, W. B. 1689
- Burts, E. C. 1288
- Burzyński, J. 6840
- Buschbom, R. L. 6559
- Bush, G. L. 73, 4682, 5128, 5345
- Bushing, R. W. 1452, 4261, 5518
- Bushkovskaya, L. M. 5472, 5995, 6418, 7204
- Busoli, A. C. 4870
- Butani, D. K. 3008
- Butcher, J. W. 4734, 5038
- Butler, G. D., Jr. 110, 1783, 2381, 3443, 4134, 7243
- Butler, K. P. 1232, 2870
- Butler, L. I. 1113, 3319
- Butt, B. 3253, 3254
- Butt, B. A. 4905, 7317
- Butt, D. J. 7285
- Butter, N. S. 1476
- Büttner, K. 757, 758, 759, 1266
- Buxkemper, W. E. 7395
- Buxo, D. A. 243
- Buxton, J. H. 5349
- Buyckx, E. J. 2638
- Buys, B. 5954
- Buzz, H. K. El- 1668
- B'yadovskii, G. S. 5651
- Byerly, K. F. 896
- Byers, J. R. 1749, 4010
- Byford, W. J. 3679
- Bykova, E. P. 7090
- Byrne, K. J. 61, 4631
- Caballero V., C. 686, 687, 688, 690
- Cabezuelo, P. 7537
- Cable, J. 41
- Cabral, M. T. 3815
- Cabrejos, C. 709
- Caceres, I. 5707
- Cadahia, D. 65, 7060
- Cadar, T. 2769
- Cade, T. J. 5815

- Cade, W. 6611
 Cadou, J. 3009, 4500, 4503
 Caea, D. 1980
 Cagampang, G. B. 1965
 Cagleivić D., M. 7479
 Cahill, W. P. 2249, 2997, 5819
 Cailla, H. L. 2384
 Cairns, K. G. 1062
 Cairo, V. G. 2447
 Çakman, A. 5648
 Calam, D. H. 6462
 Calavan, E. C. 945, 3118, 5722
 Calcagnolo, G. 367, 1461, 1462, 1486, 6796
 Calderon, K. 1002
 Calderon, M. 6233, 7468
 Caldicott, J. J. B. 3943
 Caldwell, D. L. 652
 Caldwell, R. S. 6409
 Caleb, S. 5998
 Calilung, V. J. 711
 Calkins, C. O. 2778, 4012, 6629
 Callahan, M. F. 3535, 4119
 Callahan, J. T. 7412
 Calle, J. J. 5788
 Calnaido, D. 404
 Cals-Usciat, J. 6454
 Calvert, D. J. 1402
 Cameron, E. A. 543, 3764
 Cameron, P. J. 5216
 Cameron, R. A. D. 7195
 Camino L., M. 3611
 Cammell, M. E. 3966
 Campbell, A. 361, 3473, 6280, 6318
 Campbell, B. 3508
 Campbell, C. J. 3327
 Campbell, D. 3321
 Campbell, G. D. 3483
 Campbell, J. B. 1099
 Campbell, K. G. 6826
 Campbell, M. M. 2898, 3639, 5577
 Campbell, R. L. 1182, 2824
 Campbell, R. W. 993, 2155, 2526, 2527, 5039
 Campbell, W. R. 2836
 Campbell, W. V. 4949
 Campion, D. G. 3256, 4688, 7623
 Campo, J. L. 3454, 3455
 Campos, L. E. 699
 Campos P., J. 706
 Campos, T. B. 1558, 7469
 Camprag, D. 4972
 Canada Department of Agriculture 5410, 6590, 6682, 6729, 6762, 6822, 6863, 6870, 6875
 Canada, National Research Council 5816
 Canadian Forestry Service 5673
 Canard, M. 5460, 6021
 Cancela da Fonseca, J. P. 1537
 Cancellara, I. 6735
 Candy, D. J. 6477
 Candy, S. G. Cull- 4656
 Canerday, T. D. 2180, 2989
 Canning, E. U. 184
 Cannon, W. N., Jr. 2435, 5002
 Cantelo, W. W. 2942, 6192
 Cantu, E. 3262, 4548, 5760
 Çantwell, G. E. 2204
 Capek, M. 1806, 6200
 Capello, L. 4735
 Capinera, J. L. 2726, 3144, 3647, 4214, 6539
 Capponi, M. 3825
 Capriles de Reyes, L. 4385
 Caprotti, M. 2461
 Carapezza, A. 4394
 Carbonell, E. 4104
 Cardé, R. 2416, 4636
 Cardé, R. T. 1138, 1145, 1646, 2412, 2512, 3400, 3460, 3490, 4073, 4639
 Carden, P. W. 3942, 4352
 Cárdenas D. C., N. 176
 Cardwell, D. L. 2417
 Careri, G. 2656
 Carey, A. E. 5146
 Carey, J. R. 4161
 Carrillo L., R. 3982
 Carl, K. P. 6356
 Carle, P. 602, 604, 7409
 Carlson, E. C. 384, 2986
 Carlton, J. B. 7149
 Carlyle, S. L. 4170, 4175
 Carlysle, T. 4012
 Carlysle, T. C. 780
 Carman, G. E. 2894
 Carne, P. B. 18
 Carnegie, A. J. M. 244, 265, 5959
 Carner, G. R. 365, 1590, 2058, 3127, 3821, 3822
 Caro-Costas, R. 1975
 Caro, J. H. 1704
 Caron, A. 5407
 Carranza, R. L. 6566
 Carrasco Z., F. 702
 Carrillo L., R. 1379, 3356, 4881, 5072, 5489
 Carrillo Ll., R. 6043
 Carrillo S., J. L. 783
 Carroll, J. F. 750
 Carson, H. L. 4682
 Carter, C. I. 5035, 7417
 Carter, G. T. 1649
 Carter, J. B. 1588, 2202, 5396, 7589
 Carter, S. W. 5768, 5798
 Cartia, G. 945
 Cartier, J. J. 862, 4514
 Carton, Y. 199
 Carvalho, A. M. de 345
 Carvalho, A. S. de 1537
 Carvalho de Arruda, E. 2004
 Carvalho, M. B. de 2004, 2005
 Carvalho, M. C. de 6750
 Carvalho, R. P. L. 368
 Casagrande, R. A. 6676
 Casanova, R. I. 3717
 Casey, J. E. 4373
 Casida, J. E. 508, 531, 534, 594, 595, 1005, 1695, 2399, 4539, 6948, 6949
 Casimir, M. 5987
 Caspari, E. W. 5312
 Cassidy, J. D. 5312
 Cassino, P. C. R. 5586
 Castel-branco, A. J. F. 2845
 Castex, C. 3287
 Castilla Chacón, R. 385
 Castillo, E. 5132
 Castellón, M. P. 1066
 Castro R., A. 677
 Castro, Z. B. de 4761, 4891, 6717
 Caswell, G. H. 6231
 Caswell, H. 2682
 Catalan, R. E. 1066
 Cate, R. H. 2495
 Catherail, P. L. 5495
 Cauquil, J. 3806
 Caussanel, C. 7086
 Causse, R. 97, 637, 638, 6732
 Cavalcante, M. L. S. 4761, 4891
 Cavalcante, R. D. 3696, 4760, 4761, 4891, 4937, 4956, 4957, 4988, 6717
 Cavalcanti, V. A. L. B. 6670
 Cavalloro, R. 130, 1234, 3246, 3489, 3872, 4519, 6464
 Caves, D. W. 4797

- Cavill, G. W. K. 68
 Cavin, G. E. 3213
 Cawley, B. M. 648
 Caylor, J. N. 194
 Cayrol, R. 83, 638, 5351
 Cazelles, J. P. 5107
 Cecil, H. C. 530, 2310
 Celli, G. 7553
 Center, T. D. 6652
 Centre d'Études et
 d'Expérimentation du
 Machinisme Agricole et
 Tropical 3777
 Centre for Overseas Pest
 Research 4743
 Čepelák, J. 782
 Cermelli, M. 5783
 Červenka, F. 1525
 Cevallos S., E. 283
 Chacko, M. J. 1282, 2105,
 2106, 3019, 3020, 6799,
 6800, 7405
 Chacón, R. Castilla 385
 Chadab, R. 4770
 Chadha, S. S. 2980
 Chadwick, C. E. 6584,
 6618
 Chadwick, J. S. 2219,
 4451, 6897, 7476
 Chadwick, P. R. 5798
 Chadwick, R. W. 5809
 Chahal, B. S. 4438, 6313,
 7282
 Chai, F. C. 6387
 Chakrabarti, B. 3793
 Chakrabarti, S. 7134
 Chak"rov, K. 1998
 Chalfant, R. B. 2562, 3670
 Chamberlain, J. A. 5495
 Chambers, D. L. 131,
 3506, 4507, 4508, 4699,
 5129
 Chambon, J. P. 1139,
 1243
 Chamy, A. 3003
 Chan, C. K. 6213
 Chan Tkho 1598
 Chanchai Boonyonk 1200
 Chand, P. 7373
 Chandler, H. D. 5274
 Chandler, J. Vicente- 1975
 Chandler, M. T. 6415
 Chandra, B. K. N. 1401
 Chandra, H. 1261, 1262
 Chandra, Harish 4750
 Chandra, J. 4715
 Chandra, S. 1260, 1264
 Chandragiri, K. K. 4847
 Chandrasekaran, V. 4916
 Chandrika, S. 950, 1711
 Chandurkar, P. S. 2681
 Chandy, K. C. 7354
 Chang, C. S. 532
 Chang, C. Y. 6828
 Chang, J. F. 4319
 Chang, L. C. 379, 380,
 667, 3651
 Chang, S. C. 4305, 4318,
 6828
 ChannaBasavanna, G. P.
 286, 1296, 3634, 6683
 Chant, D. A. 981
 Chanter, D. O. 2197
 Chao, R. S. 4745
 Chao, S. R. S. 2909, 6417
 Chao, Y. 6646
 Chapman, O. L. 3461
 Chapman, P. J. 2865
 Chapman, R. B. 4584
 Chapman, R. F. 169
 Char, M. B. S. 6654
 Charanasri, V. 4386
 Chararas, C. 5000, 7055
 Chareonridhi, S. 6035
 Chari, M. S. 901, 2062,
 2098, 2099, 5218
 Charlin C., R. 691
 Charmillot, P. J. 1788,
 1839, 2021, 2881, 3260,
 3627, 3628, 7559
 Charmoille, L. 2553
 Charpentier, L. J. 238
 Charpentier, R. 6910
 Chatha, N. 3432, 3433
 Chatterji, S. M. 1946,
 3593, 4841, 4842, 6696,
 7564
 Chatterji, S. R. 6895
 Chatteraj, A. N. 6154
 Chaudhry, G. Q. 7267
 Chaudhry, M. I. 3561,
 3758
 Chaufaux, J. 6346
 Chavez, H. A. 1934
 Chávez Torres, A. 1934,
 2001
 Chavez, W. B. 7473
 Chawla, S. S. 1238, 3423
 Chazeau, J. 203, 2712,
 4137
 Cheban-Istratii, L. N.
 2584
 Chebotar', T. I. 2593
 Cheema, M. Anwar 1338
 Cheema, S. S. 6649, 6803
 Chefurka, W. 6397
 Cheikh, M. 143, 492, 493,
 494
 Chekanov, A. A. 6303
 Chekhonadskikh, V. A.
 5403, 6113
 Chekmenev, S. Yu. 3856
 Chelliah, S. 1962, 6152
 Chellman, C. W. 3759
 Chelysheva, L. P. 7431
 Chemara Research Station
 7290
 Chen, C. C. 4275
 Chen, C. N. 4494
 Chen, C. T. 256
 Chen, C. W. 4162, 5437
 Chen, J. 4495
 Chen, L. C. 2814
 Chen, T. F. 806
 Chen, Y. L. 3347
 Chen, Y. M. 4441
 Cheng, C. H. 2815, 4499
 Cheng, C. J. 4305
 Cheng, H. H. 398, 3900,
 6195
 Cheng, W. Y. 4497
 Chennamma, K. A. L.
 5509
 Chenon, R. Desmier de
 5539, 6711
 Cherkashina, A. S. 1870,
 1877
 Chernaeva, R. 5769
 Chernov, Yu. I. 2502
 Cherrett, J. M. 5989
 Cherry, D. S. 6597
 Cherry, R. H. 5443
 Cheung, W. W. K. 4008,
 4678
 Chevalet, Y. 5730
 Chevin, H. 1091, 6428
 Chhina, S. 1696
 Chi, C. 565
 Chia Chu Kuo 3424
 Chiang, H. C. 764, 772,
 2791, 3591, 6380, 7486
 Chiang, M. S. 7246
 Chiarappa, L. 6376, 6380
 Chiba, M. 3276
 Chibnall, A. C. 5145
 Chien, C. C. 667, 2715
 Chigusa, M. 7451, 7452
 Childers, C. C. 4803, 5562
 Childress, D. 3412
 Childs, D. P. 6241, 6308
 Chillida, E. M. Robles-
 2358
 Chin Hoong Fong 7346
 Chin, T. 2917
 Chin, W. T. 4582, 5169
 Ching, H. A. 4486, 4487
 Chippendale, G. M. 596,
 2440, 2491, 4652, 5881,
 7078
 Chiravatanapong, S. 3237
 Chisholm, M. D. 3422
 Chiu, R. J. 2185, 3496
 Chiu, S. C. 1961, 2715,
 2802
 Chiu, Shiu-chou 667
 Chiu, Shul-chen 667

- Chiu, Y. J. 750
 Chiykowski, L. N. 3607
 Chmielewski, W. 940
 Cho, E. H. 4354
 Choi, K. M. 4354
 Choi, K. Y. 825
 Choi, P. M. K. 4560
 Choi, S. S. 1879, 1881
 Choi, S. Y. 825, 1360, 2804, 3278, 4273
 Chokouhian, A. 2463
 Chon, T. S. 4132
 Chopade, H. M. 6775
 Chopard, L. 1271
 Chou, K. C. 667, 2802
 Choudhary, B. S. 3569
 Choudhuri, J. C. B. 150, 151
 Chow, L. Y. 6387
 Chow, M. L. 5310
 Chow, Y. S. 4495
 Christensen, J. 4483
 Christensen, J. B. 3604
 Christie, R. G. 458
 Christie, S. R. 458
 Chruścielska, K. 2277
 Chtchepetilnikova, V. A. 3854
 Chu, C. M. 4226, 4227
 Chu, H. H. 806
 Chu, K. M. 1966
 Chu Kuo, C. 3424
 Chu, Y. I. 1961, 2719, 3845, 4226, 4227, 4229, 4486, 4487, 4493, 4823
 Chuang, L. T. 5809
 Chui, W. 6828
 Chukanov, V. S. 2434
 Chumak, V. A. 6651
 Chung, B. J. 2188
 Chung, K. Y. 4273
 Ciampolini, M. 2007, 2028, 4992
 Cichocka, E. 7138
 Cierniewska, B. 322
 Ciesla, W. M. 7434
 Cirio, U. 3216, 3871, 5131, 6568
 Ciurdărescu, G. 1980
 Claeys, R. R. 6409
 Clark, D. C. 3944
 Clark, D. E. 5200
 Clark, D. R., Jr. 3323
 Clark, E. W. 422, 5307
 Clark, H. C. Bennet- 2686
 Clark, J. D. 6304
 Clark, L. R. 4400
 Clark, P. G. 7516
 Clark, R. C. 3743
 Clarke, J. M. 7277
 Clarke, R. G. 2852
 Clarke, R. T. J. 2828
 Claus, S. 5342
 Clausen, C. P. 5976
 Clayhills, T. 3546
 Clearwater, J. R. 4071
 Clec'h, G. Le 5804
 Clegg, D. E. 5198
 Clement, J. G. 3275
 Clements, A. N. 1761
 Clements, R. O. 4286
 Clementz, E. 3308
 Clift, A. D. 3701, 6518
 Clift, A. E. 7303
 Cline, L. D. 7462
 Close, R. C. 1937
 Clouset, J. L. 126, 7647
 Cloutier, C. 4178, 5766
 Cloutier, M. 1238, 3423
 Coaker, T. H. 7582
 Coates Palgrave, J. A. 813
 Coates, T. J. D. 160
 Coaton, W. G. H. 1310, 1311, 1312, 1313, 1314, 1315, 4230, 4231, 4232, 4233
 Cobb, P. P. 3904, 5923
 Cobben, R. H. 5378
 Coburn, G. E. 234
 Cochran, W. P. 4535
 Cockbain, A. J. 5723
 Cocks, J. A. 3526
 Codex Alimentarius Commission 5141
 Codou, D. 2575
 Cody, M. G. 4730, 5018
 Coe, N. F. 1320, 2110
 Coffee Board Research Department 6198
 Coffelt, J. A. 6281, 6301
 Coffin, D. E. 3321
 Cogburn, R. R. 3089, 3792
 Čoha, F. 1705
 Cohen, E. 585, 744, 3266, 3343, 3393
 Cohen, J. 3131
 Cohen, M. 848
 Cohen, S. 3807
 Cohet, Y. 1125
 Colbrie, P. Fisher- 3251
 Cole, R. A. 599
 Cole, W. E. 1512
 Coleman, C. Shih- 4490
 Coleman, G. R. 4447
 Colhoun, E. H. 3275
 Collier, S. J. 2226, 5078
 Collingwood, C. A. 8
 Collingwood, D. J. 248
 Collins, F. A. 3548
 Collins, H. L. 2299, 2696, 4199, 5147, 5148, 6608
 Collins, W. K. 7398
 Colliot, F. 3950
 Collyer, E. 1421
 Comeau, A. 2512, 4875
 Commission de Lutte contre le Criquet Pélérin en Afrique du Nord-Ouest 5425
 Commonwealth Institute of Entomology 4153, 7688
 Commonwealth Scientific and Industrial Research Organization 7686
 Compte, A. 3081
 Conde, M. 1523, 4395
 Cone, W. W. 42, 1336, 1337, 3573, 4820, 6486
 Connell, A. D. 810
 Connell, M. 6228, 6242
 Connell, W. A. 1846, 1927, 2475
 Conrad, H. 5090
 Conti, M. 7481
 Conway, J. A. 6282
 Cook, A. G. 6500
 Cook, G. H. 2300, 5808
 Cook, J. M. 5752
 Cook, P. H. L. 2082
 Cook, S. M. 5723
 Cooke, B. K. 5569, 7526
 Cooley, N. 6709
 Copin, A. 126
 Coppage, D. L. 5808
 Coppedge, J. R. 1707, 2995, 3698
 Coppock, L. J. 5618, 5619
 Corbet, S. A. 200
 Corbett, G. G. 6263
 Corbett, J. R. 5788, 7626
 Corbetta, G. 7250
 Cordo, H. A. 3458
 Coretti, K. 5779
 Corneliussen, P. E. 5140
 Cornell, J. A. 2974, 3427, 3534
 Cornu, P. 2071, 6787
 Corpuz-Raros, L. A. 711
 Corradini, H. B. 3337
 Corrêa, B. S. 5732
 Corseuil, E. 1714, 1715, 2054
 Cortés-Monllor, A. 2187
 Cortés P., R. 699
 Cosenza, B. J. 6898, 6899
 Cosmao Dumanoir, V. 5083
 Costa, A. S. 154, 678, 7369
 Costa, C. L. 154, 678, 679, 7369
 Costa Cruz de Oliveira, M. H. 2004, 2005
 Costa, E. W. B. da 2175

- Costa Vaz, F. A. 3337
 Costas, R. Caro- 1975
 Coster, J. E. 5028, 6833
 Costilla, M. A. 4361
 Cothran, W. R. 302, 304, 2574, 3604, 3915, 4291, 4296
 Cotton Research Corporation 4981, 4982, 4983
 Cotton Research Institute, Gatooma 6184
 Coudriet, D. L. 1107
 Couey, H. M. 3107
 Couilloud, R. 2558
 Coulson, J. R. 3672
 Coulson, R. N. 2162, 5020, 5025, 5668
 Coulston, F. 3332, 3339, 4542, 5152, 5165, 7633
 Counter, S. A. 4657
 Counter, S. A., Jr. 6536
 Courshee, R. J. 7509
 Coutin, R. 3623
 Coutts, H. H. 7509
 Covassi, M. 3726, 3727
 Coviello, R. L. 3604, 3915, 5518
 Cowan, C. B., Jr. 4102
 Cox, P. D. 1191, 5704
 Cox, R. H. 5214
 Crabtree, D. G. 3324
 Craddock, E. M. 4682
 Craig, C. H. 3533, 4248
 Craig, L. F. 6985
 Cramer, H. H. 6379
 Cranham, J. E. 2289, 6110, 7285
 Craven, A. C. C. 6983
 Crawley, M. J. 2533
 Creed, E. R. 108
 Creelman, I. S. 6914
 Creffield, J. W. 2737, 4719
 Creighton, C. S. 1441, 3670
 Criswell, J. T. 319, 2217, 6715
 Crnjanski, P. 493, 494
 Croal, K. 5052
 Crocker, R. L. 2534
 Crockett, A. B. 5146, 6401
 Croft, B. A. 5557, 6025, 7542
 Croft, G. A. 7502
 Croix, E. A. S. La 5190
 Croizier, G. 3140, 3825
 Cromartie, E. 6410
 Cromartie, W. J., Jr. 3653, 4931
 Cromroy, H. L. 2697, 3427, 3534, 5311, 6524
 Crookshank, H. R. 5200
 Crosby, D. G. 122, 5163, 6984
 Cross, A. J. 5202
 Cross, E. A. 2478, 2711, 3386
 Cross, W. H. 1331, 2406, 2563, 2711, 3551, 3711, 6189, 6191, 7058, 7059
 Crossley, A. C. 2390
 Crossley, D. A., Jr. 7412
 Crowder, L. A. 3007, 6513
 Crowell, H. H. 363
 Crozy, A. 6593
 Crüger, G. 1615
 Cruhm, D. G. 3709
 Cruickshank, S. 2070
 Crump, A. J. 5471
 Cruttwell, R. E. 1324, 1325, 1326
 Cruz, C. 2927, 2943, 3695
 CSIRO 7686
 Cull-Candy, S. G. 4656
 Cullen, J. M. 2754
 Cultrut, G. 5107
 Cumberland, G. L. B. 3195
 Cunha, A. B. da 1585
 Cunningham, I. C. 6194
 Cunningham, J. C. 2241, 5034, 6848, 6849, 6850, 6851, 7415
 Cunningham, R. T. 4507, 4508, 5130
 Cunningham, A. M. 5411
 Cupp, E. 5259
 Cupp, E. W. 4200, 5861
 Curd, M. R. 565
 Currado, I. 7206
 Currie, N. T. 445
 Curtis, C. E. 6304
 Cusack, P. D. 3778, 5411
 Custodio, H. A. 1953
 Cuthbert, F. P., Jr. 7382
 Cuthbert, R. A. 2132, 4632, 4633, 5002, 5757
 Cutshall, N. H. 6409
 Cymborowski, B. 1751
 Cyprus Agricultural Research Institute 3971
 Cyprus Ministry of Agriculture 6740
 Czajnik, M. 5713
 Czaplicki, E. 527, 529, 3318
 Czaplicki, E. J. 1706, 6944
 Czerniakowski, Z. 6763
 Da Costa, E. W. B. 2175
 Da Cunha, A. B. 1585
 Da Fonseca, J. P. C. 1537
 Da Silva e Sousa, M. E. 1538
 Da Silva, R. F. P. 2934
 Da Silva, T. L. 1714
 Da Silveira, M. V. 1440
 Dabek, A. J. 4449
 Dąbrowska, B. H. 2011
 Dąbrowski, Z. T. 1710, 2011, 3459
 Dadaj, J. 2875
 Dadd, R. H. 4178
 Daebeler, F. 276, 352, 1677, 4251, 4523
 Daele, E. Van 3028
 Dafaue, C. 6219
 Daftari, A. 1838
 D'Aguilar, J. 1139
 Dahl, M. H. 3728, 5400
 Dahl, M. L. Hubert- 2924
 Dahlman, D. L. 1752, 4651, 5256, 5468, 7088
 Dahlsten, D. L. 918
 Dahm, P. A. 5818, 6370
 Daiber, C. C. 5939
 Dakshinamurti, C. 2290, 4677
 Dal Monte, G. 3261
 Dalaya, V. P. 376, 1274
 Dale, D. 1157, 1711, 1712, 3349
 Daley, R. C. 2501
 Daljeet-Singh, K. 2148
 Dallwitz, M. J. 4400
 Dalton, S. 4117
 Damiano, A. 3480
 Damodaran, A. P. S. 860, 864
 Dancig, E. M. 5239
 Dandi Soekarna 715, 718, 719
 Daneshvar, H. 4228
 Daniel, M. 3618
 Daniels, S. 476
 Danilova, L. V. 7042
 Danilyuk, A. A. 5453
 Danks, H. V. 776, 794, 795
 Dann, C. 5606
 Dantas Cavalcante, R. 3696, 4760, 4761, 4891, 4937, 4956, 4957, 4988
 Dathanarayanan, W. 1498, 4899, 4900, 6100
 Dantsig, E. M. 11, 5239, 6549, 6994, 7009
 Daoud, D. S. 6938
 Daoust, R. A. 468, 6330
 Daramola, A. M. 941, 1409, 1410, 1411, 2003, 2009, 4245
 D'Arcier, F. 5390
 D'Arcy Ward, R. 1781

- Dardón, H. Penagos 3722,
4838, 4987
- Darekar, K. S. 3644
- Darjoo, A. 5421
- Darshan Singh 5080, 6790
- Das, B. B. 3008
- Das, N. M. 289, 1026,
1559, 2798, 3290, 3291,
4793
- Das, S. C. 405, 5477
- Das, W. M. 2970
- Das, Y. T. 6066
- Dasan, A. A. 2797
- Dash, P. K. 4330
- Dastgheib Behechti, N.
4316
- Daterman, G. E. 3401,
4046
- Đatlov, V. 6501
- Datta, S. 7087
- Daugherty, D. M. 865
- Daughton, C. G. 6984
- Daumal, J. 1305, 1404,
2571, 5502, 6454
- Dauterman, W. C. 1653,
5889
- Daves, G. D., Jr. 3401,
4046
- Davich, T. B. 617, 6191,
7567
- David, A. L. 2113, 6164
- David, B. V. 2078, 5464,
5632, 6586, 6634, 6781,
6882, 7330
- David, H. 1342
- David, J. 1072, 1125,
7129, 7130, 7131
- David, J. R. 2455
- David, M. H. 3088
- David, S. K. 7135
- David, W. A. L. 2382,
4098, 4173, 6335
- Davidson, L. I. 1029
- Davies, J. C. 1459, 2945
- Davies, J. E. 5213
- Davis, A. C. 2315, 3269
- Davis, C. P. 2724
- Davis, C. S. 1424, 2885,
4304, 6601
- Davis, D. G. 3468, 3621
- Davis, D. R. 2335, 2349
- Davis, D. W. 1374
- Davis, G. R. F. 2422,
4159
- Davis, H. G. 3210
- Davis, J. 5147, 5148
- Davis, J. W. 110, 2990,
4102
- Davis, M. E. 1698
- Davis, N. B. 7598
- Davis, N. T. 2397
- Davis, R. 6225
- Davis, R. B. 3359
- Davis, T. S. 4413
- Davlyatov, I. D. 6920
- Dawes, D. 5773
- Dawson, J. R. 617
- Day, A. 1818
- Day, N. E. 3320
- Daynard, T. B. 1691
- De Almeida, P. R. 7329,
7390, 7404
- De Alzueta, A. Bischoff
2666
- De Aquino, M. de L. N.
6670
- De Araújo, F. E. 3675,
3696, 4760, 4891, 4956,
4957
- De Araújo Franqueira, J.
H. 1537
- De Arruda, E. C. 2004
- De Arruda, G. P. 1719
- De Arruda, H. V. 7404
- De Barjac, H. 5083
- De Barros Machado, A.
213
- De Batista, G. C. 368
- De Biase, L. Micieli 6746
- De Bornás, M. 338
- De Bund, C. F. van 2583,
4740, 4741
- De Carvalho, A. M. 345
- De Carvalho, A. S. 1537
- De Carvalho, M. B. 2004,
2005
- De Carvalho, M. C. 6750
- De Castro, Z. B. 4761,
4891, 6717
- De Chenon, R. Desmier
5539, 6711
- De Faria Estácio, F. L.
1536
- De Freitas, A. 4311
- De Gonzalez, H. Serantes
3660
- De Groote, J. 4837
- De Hys, L. 4667
- De Jong, D. J. 4903, 7552
- De Kort, C. A. D. 1760,
4074, 5300
- De la Fuente, J. M. 703
- De la Rosa, H. H. 5314
- De la Sierra, E. Asensio
840
- De León M., J. R. 1435
- De Lima, C. P. F. 4303,
6230, 6284
- De Lima, J. O. G. 1440
- De Lima Santos, O. M.
4761, 4956, 4957, 6717
- De Little, D. W. 6208
- De Loof, A. 4066
- De Lotto, G. 555, 563,
3989, 3992, 4302
- De Lourdes Nascimento
Aquino, M. 2005
- De Luca, Y. 218, 3258,
4424
- De Martínez, N. B. 338
- De Medina, F. J. Alonso
1523
- De Mello, D. 3309
- De Miré, P. Bruneau 1494
- De Moor, F. C. 1247
- De Murtas, I. D. 3216
- De Oliveira, C. A. L. 1486, 6796
- De Oliveira, J. V. 4767,
5381
- De Oliveira, M. H. C. C.
2004, 2005
- De Pereira, N. P. 698
- De Queiroz, G. F. 6670
- De Ramallo, N. E. V. 477
- De Reggi, M. L. 2384
- De Remes Lenicov, A. M.
Marino 3358
- De Reyes, L. Capriles
4385
- De Ronde, T. J. A. 587
- De Sá, L. A. N. 7361
- De Santis, L. 674, 675
- De Sena, R. C. 6670
- De Souza Guerra, M. 251,
2112
- De Tiefenau, P. G. 3372
- De Tosso, A. B. 7480
- De Vidal, C. U. 7479,
7480
- De Villiers, E. A. 4327
- De Vrie, M. van 505
- De Wilde, J. 2437, 3417,
3863, 5298, 7085
- Deal, A. S. 4914
- Dean, G. J. 801
- Dean, H. A. 3139, 3640,
4324
- DeBach, P. 1098, 1907,
5097, 5264, 5828, 6906
- Debacq, J. J. 2553
- DeBarr, G. L. 1507, 3775,
5679
- Debolt, J. W. 142, 3503
- DeBoo, R. F. 913, 917
- Debrot C., E. A. 1573,
6171
- Decazy, B. 3017, 7400
- Decelle, J. 5236
- Decheva, D. 1395
- Dedordy, J. R. 338
- Deema, P. 3179
- DeFoliart, G. R. 3513
- Degheele, D. 5297
- Degrave, I. G. 6700
- Dei, E. A. 5928

- Deighton, J. M. 6283
 Deighton, J. McC. 5411
 Dejonckheere, W. P. 1014
 Dekle, G. W. 6804, 6806
 Delaporte, J. 5934
 Delaude, A. 4294
 Delbecque, J. P. 4667
 Delcambe, L. 2311
 Delcour, J. 7070
 Delden, W. van 2456
 Delecolle, R. 7156
 Delfinado, M. D. 3596, 5470
 Deligönlü, E. 6859
 Delinsky, H. 4298
 Delley, B. 2021, 3260, 4322, 6119
 Dell'Orto Trivelli, H. 6245
 Delmotte, J. 2645
 DeLoach, C. J. 3458
 Delobel, B. 1235, 1236, 2706, 6463
 Delplanque, A. 3853
 Delrio, G. 130, 3246, 3489, 3872, 6464
 Deltombe-Lietaert, M. C. 7070
 Delucchi, V. 2128, 2157, 5091
 Delucchi, V. L. 6906
 Delvi, M. R. 4779
 Delyzer, A. J. 5985, 6887
 Demange, J. M. 2063
 DeMichele, D. W. 6373
 Demidecki-Demidowicz, M. R. 258
 Demidowicz, M. R. Demidecki- 258
 DeMilo, A. B. 1155
 Demkiv, O. G. 5628
 Dempster, J. P. 4572
 Demski, J. W. 3119
 Den Hollander, J. 6461, 6664
 Dengler, K. 5007
 Denisova, A. V. 6971
 Denmark, H. A. 2538, 6430, 6742, 6805
 Denmark, State Plant Pathology Institute 5400
 Dennis, D. S. 2509
 Denny, E. 5659
 Denton, R. E. 5009
 Deodhar, A. D. 7358
 Deonier, D. L. 4166
 Deotte, A. 2218
 Department of Agricultural Research, Malawi 7685
 Department of Agriculture, Canada 6590, 6682, 6729, 6762, 6822, 6863, 6870, 6875
 Department of Agriculture, Sarawak 3973
 Department of Primary Industries, Queensland 2862, 6759
 Department of Scientific and Industrial Research, New Zealand 3972
 Derbeneva, N. N. 1
 Derks, A. F. L. M. 943
 Derksen-Koppers, I. 6383
 Derridj, S. 2962
 D'Ersu, P. 4837
 Deryabin, V. I. 5641
 Desai, K. S. M. 5520
 Desaiiah, D. 4556
 Desaulniers, R. 7435
 Deschka, G. 5232
 Deseö, K. V. 4127, 5353
 Deshmukh, S. N. 4840
 Deshmukh, U. 6057
 Deshpande, R. R. 1477
 Deshpande, R. S. 5057
 Desière, M. 1199
 Desmarchelier, J. M. 6271, 6276
 Desmier de Chenon, R. 5539, 6711
 Dessart, P. 556, 1895
 Dessouki, S. A. El- 1371, 3264, 4299, 4886, 5710
 Dethe, M. D. 6169
 Deuse, J. P. L. 6234, 6269
 Devaiah, M. C. 2983, 3570, 4848, 6772, 7347, 7383
 Devaraj Urs, K. C. 1239
 Deviah, M. A. 6686
 DeVilbiss, D. 3163, 3505
 Devine, J. M. 1826
 Devonshire, A. L. 5191, 7575, 7576, 7577
 Dewan, R. S. 6778, 7677
 Dewar, A. M. 5853
 Dewey, J. E. 7434
 DeWitt, P. R. 2725
 Dezfulian, A. 7254
 Dhaliwal, G. S. 1212, 1681, 1701, 3270, 5058, 7192
 Dhaliwal, H. S. 2026, 4792
 Dhaliwal, J. S. 2771, 6639, 7181
 Dhaliwal, T. S. 4829
 Dhand, R. K. 4041
 Dhari, K. 6479
 Dhooria, M. S. 734, 5387, 6789, 7318
 Diab, S. A. 3267
 Diakonoff, A. 1100
 Diaz, A. 1575
 Diaz, N. A. 3751
 Dibble, J. E. 1640
 Dicapua, R. A. 2208
 Dick, J. 248
 Dickason, E. A. 3554
 Dicke, E. B. 5729
 Dicke, F. F. 6369
 Dickens, W. L. 889
 Dicker, G. H. L. 7285
 Dickerson, J. A. 3026
 Dickerson, W. A. 135, 1223, 2056
 Dickerson, W. A., Jr. 3698
 Dickler, E. 2874, 6111, 6112
 Dickson, A. T. 5601
 Dickson, M. H. 3654
 Dieckmann, L. 7013
 Diehl, P. A. 743
 Diekman, J. 4490
 Diekman, J. D. 4999
 Dijkstra, P. J. van 2645
 Dijk, H. van 2456
 Dikshit, A. K. 6778
 Dimetry, N. Z. 2494, 5767, 6424, 7201
 Dimitrov, A. 181, 2100, 2101, 3294, 5650
 Dimitrov, I. 2077
 Din, N. S. El 5358
 Dina, S. O. 7356
 Dindal, D. L. 2604, 2669
 Dinescu, I. 1027
 Ding, T. 2239
 Dinsh, K. N. 3074, 5275
 Dinus, R. J. 4421
 Directorate of Plant Protection, Quarantine & Storage, India 3514
 Dirimanov, M. 181, 1395, 3294, 4246, 5813
 Dirlbek, J. 7000
 Dirlbeková, O. 7000
 Dirsh, V. M. 1732
 Dishburger, H. J. 6985
 Dismukes, J. F. 578
 Disney, R. H. L. 7195
 Dittrich, V. 891, 3001, 5119
 Diwakar, M. C. 6690
 Dixon, A. F. G. 86, 278, 1179, 5566
 Dixon, G. M. 3193
 Dixon, L. D. 1689
 Djatnika, K. 717

- Djavan Moghaddam, H. 5195
- Djerassi, C. 4490
- Doane, C. 3750
- Doane, C. C. 3053, 3400, 3820, 5042
- Doane, J. F. 4744
- Doberitz, G. 2040
- Dobias, J. 4549
- Dobie, P. 6235
- Dobrochinskaya, I. B. 7408
- Dobrowolszky, A. 6148
- Dobrowolski, J. W. 7640
- Dochkova, B. 2948, 4960, 7189
- Doira, H. 5312
- Dokudovskaya, N. A. 6707
- Dolgin, M. M. 7442
- Dolgodorova, N. B. 6700
- Dolin, V. G. 6995
- Domanski, J. J. 532
- Domanskii, V. N. 6104
- Domarco, R. E. 3236
- Domenichini, G. 6552
- Domínguez R., Y. 1164
- Domsch, K. H. 1708
- Don, H. 1985
- Dondikov, N. M. 6817
- Dong, N. 2452
- Donia, A. 7283, 7284
- Donia, A. R. 4096
- Donia, M. A. 6987, 6988
- Donia, M. B. Abou- 1488, 6986
- Donia, M. N. 4777
- Donley, D. E. 5065
- Donnelly, R. G. C. 2850
- Doolittle, R. E. 2413, 3500, 4047
- Doreste S., E. 1392, 4385
- Dorge, S. K. 1274
- Dorokhova, G. I. 5459
- Doronina, G. M. 1189
- Doroshina, L. P. 5341
- Dorough, H. W. 1013, 1041, 1064, 2305, 3907, 6973
- Dorović, D. 6824
- Dorozhkin, N. A. 7377
- Dörtbudak, Y. 2775
- Dos Santos, O. S. 1457
- Dos Santos Serôdio, R. 1541
- Doss, S. A. 3666
- Dosse, G. 7011
- Dougan, J. 5781
- Douglas, C. W. 2302
- D'Oultremont, P. 2553
- Doutt, R. L. 845, 4165, 5438
- Dov, Y. Ben- 558, 3994, 7005
- Dovzhenok, N. V. 136
- Dow, R. P. 6537
- Downing, R. S. 6101, 7309
- Downing, W. 2972
- Dowsett, J. R. 5788
- Dowson, R. J. 1761
- Doyle, J. A. 5475
- Dräger, G. 2549
- Draghia, I. 2624
- Drandarevski, C. A. 1609
- Drea, J. J. 7413
- Drenkóvski, R. 5015
- Drew, R. A. I. 1102, 1103, 3344, 7145
- Drew, W. A. 565
- Dreyer, M. 2687
- Driessche, J. Van den 5804
- Drinkwater, T. W. 5507, 5948
- Dronka, K. 2875
- Drooz, A. T. 3547, 4094
- Drosopoulos, S. 6529
- Droste, H. J. 163, 1852
- Drouin, J. A. 3043
- Drozдовskii, E. M. 5472, 5995, 7159
- Druzhelyubova, T. S. 659, 1186
- Dryga, N. S. 5398
- Du Merle, P. 4806
- Du Toit, G. D. G. 5960
- Duane, W. C. 4582
- Dubey, L. N. 3122, 6878
- Dubina, G. P. 6353
- Dubitzki, E. 4504
- Dubniak, H. 2959, 3682
- Dubnik, H. 2958, 5620, 7375, 7376
- Dubois, N. R. 6348
- Dubrovskii, V. I. 6319
- Duchesne, R. M. 4875
- Duckett, A. M. 4193
- Ducoff, H. S. 4685
- Ducom, P. 2018
- Duculot, C. 126
- Dudziak, B. 7066, 7067
- Dufay, C. 3980
- Duffield, R. M. 753, 2410, 3530, 4043
- Duffy, E. A. J. 2179
- Dufraine, A. 1624
- Duhra, M. S. 267
- Dulmage, H. T. 2215, 2229
- Dumanoir, V. Cosmao 5083
- Dumas, B. A. 2938
- Dumas, T. 1057
- Dunbar, D. 3744, 3750
- Dunbar, D. M. 2119, 2830, 7439
- Dunbar, J. P. 964
- Duncelman, P. H. 266
- Duncombe, W. G. 5947
- Dunlap, M. J. 656
- Dunn, J. A. 573, 5597
- Dunn, W. C., Jr. 2309
- Dunning, R. A. 799, 3945, 4347, 5616, 7598, 7629
- Dunsing, M. 1045
- Dupo, H. 3598
- Dupré, M. 6798
- Dupree, M. 4413
- Duque, J. Esparza- 4511
- Durai, R. 814
- Duran, M. 7226
- Durán M., L. 685
- Durant, C. J. 3921
- Durant, J. A. 498
- DuRant, J. A. 4264
- Durden, J. A., Jr. 1023
- Durkić, J. 4972
- Dürr, H. J. R. 5937
- Dürr, R. 4718
- Dušek, J. 5405, 6544, 7105
- Dutkowski, A. B. 2395
- Dutrieu, J. 35
- Dutt, N. 2033
- Duviard, D. 2503
- Dyadechko, N. P. 5444, 5467, 6679
- D'yakonchuk, L. A. 7209
- Dyck, V. A. 4070, 4276, 5268
- Dyer, E. D. A. 3757, 6212
- Dyk, L. P. van 3884, 5817, 5945
- Dyson, C. B. 3193
- Dyte, C. E. 6249
- Dzhadaibaev, Zh. M. 6827
- Dzhanokmen, K. A. 5836
- Dzhivilekov, G. 7529
- Dzybba, Z. A. 6352
- Eade, R. P. 3183
- Eads, C. O. 3040
- Earle, M. Fitz- 3242
- Earle, N. W. 1795, 3397
- East African Agriculture and Forestry Research Organization 3355
- East Malling Research Station 7285
- East, R. 4882
- Eastop, V. F. 678
- Eaton, J. L. 1765
- Ebel, B. H. 2150, 5669, 5686
- Eberhard, W. G. 4111
- Ebert, W. 4520, 4521

- Eckenrode, C. J. 2489,
3457, 3654, 3688, 4195,
4557, 4925
- Eckstrand, I. A. 3425
- Ecobichon, D. J. 3330
- Economopoulos, A. P.
1181, 4120, 5137
- Eda, M. 2223, 6894
- Eden, T. 6801
- Edge, V. E. 2903, 5987
- Edland, T. 5564
- Edmunds, M. 7113
- Edmundson, W. F. 5213
- Edwards, C. A. 802, 1367,
1699, 2599, 3963, 4827
- Edwards, G. W. 7302
- Edwards, J. P. 7590
- Edwards, M. J. 7616
- Edwards, W. M. 4574
- Edwardson, J. R. 458
- Effendi, R. E. 6204
- Egger, A. 438, 931, 932,
1415, 3518, 3753
- Egger, E. 7291
- Eguagie, W. E. 1492,
2103, 3635
- Ehara, S. 3174, 3838, 3839
- Ehler, L. E. 388, 5484
- Ehnström, B. 3768
- Ehrman, L. 476
- Eichhorn, O. 1514, 1883,
3543, 4404, 6567
- Eichler, D. 6285
- Eichlin, T. D. 3374
- Eidmann, H. H. 414, 425,
3768, 4418
- Eidt, D. C. 3302, 3303
- Eikenbary, R. D. 319,
2217, 2495, 4797, 6715,
6716
- Eisbein, K. 2551
- Eisenbrandt, K. 3114
- Eisner, T. 5145
- Eivaz, J. 7518
- Ekbom, B. 6910
- Ekici, M. 7437
- El-Assy, S. 334, 335
- El Attal, Z. M. 1016,
3896, 3897
- El-Awady, S. 1371, 4299
- El-Awady, S. M. 4886
- El-Badry, E. A. 4085,
5639
- El-Banhawy, E. M. 208,
211, 6437
- El Bashir, S. 392
- El-Berry, A. A. 5531
- El-Berry, A. R. 2446,
2765
- El-Bery, A. R. 2288
- El-Bialy, S. 5531
- El-Bishlawy, S. M. 4129,
6616
- El-Borollosy, F. M. 1668
- El-Buzz, H. K. 1668
- El-Dessouki, S. A. 1371,
3264, 4299, 4886, 5710
- El Din, N. S. 5358
- El-Essawi, T. 6986
- El-Fattah, M. I. A. 3715,
3716
- El-Fattah, M. I. Abd-
4018
- El-Fattah, M. L. Abd-
4364
- El-Fouly, M. M. 1661
- El-Garhy, A. T. 4690,
5276, 5277
- El-Gayar, F. 5184
- El-Gayar, F. H. 2094,
2765, 4167
- El-Gayar, F. M. 7660,
7661, 7662
- El-Ghar, M. A. 4975
- El-Gogary, S. 5254, 5797
- El-Guindy, M. A. 2287,
7650, 7651
- El-Hakim, A. M. 1039,
1040
- El Halfawy, M. A. 3897
- El-Hamid, M. A. 1252,
1263
- El-Helaly, M. S. 4167
- El-Helw, M. K. 895
- El-Hemaesy, A. H. 2926,
3685, 4963
- El-Ibrashy, M. T. 1252,
1263, 1793
- El-Kady, E. 4000
- El Khidir, E. 5417
- El-Kifl, A. 1371, 4886
- El-Kifl, A. H. 1448, 2925,
3376, 3377, 3642, 3658,
3661, 4205, 4206, 4299,
4777, 5710
- El-Lakwah, F. 1171
- El-Lakwah, F. A. 2288,
2446
- El-Minshawy, A. H. 4092
- El-Minshawy, A. M. 1381,
7033, 7283, 7284
- El-Nahal, A. K. M. 1668,
3787, 3788
- El-Rafie, M. S. 3800, 3801
- El-Refaei, S. 4369
- El-Refaei, S. A. 4366,
4368, 4375
- El-Refai, A. 1252, 1263
- El-Rubac, A. Y. 7151
- El-Saadany, G. 1945,
2579, 3567, 4018, 4364,
4366, 4368, 4369, 4375,
5645, 5646
- El-Saadany, G. B. 622,
1817
- El-Sabae, A. H. 3961
- El-Safi, G. S. 3442, 3620,
4696
- El-Sawaf, B. M. 2486
- El-Sawaf, S. K. 517, 1912,
2260, 4092, 4096, 6493,
6494, 7283, 7284
- El Sawy, M. S. 3896
- El-Sayed, E. I. 4553
- El-Sayed, G. N. 2287
- El-Sebae, A. H. 1488,
5179, 5180, 5181, 5182,
7374, 7653, 7655
- El-Shaarawy, M. F. 4030,
4031, 4366, 4368, 4369,
4375, 4655, 4690, 4977,
5276, 5277, 5394
- El-Sharkawy, G. M. 7374
- El-Shazli, A. 5184
- El-Shazli, A. Y. 4167,
7660, 7661, 7662
- El-Sherif, A. R. A. 3780
- El-Sherif, H. 230, 231
- El-Sherif, S. I. 3501, 3704,
5506
- El-Shimy, A. 334, 335
- El-Tantawi, M. 1132,
1133, 3171, 4671
- El Tigani, M. E. A. 7517
- El Titi, A. 2920, 3832
- El Zorgani, G. A. 4576
- Elamayem, M. A. 5185
- Elbadry, E. A. 4083, 5639,
6459
- Elbanhawy, E. M. 2720,
2891, 4799
- Elden, T. C. 3673
- Elder, R. J. 301, 2832
- Elela, R. G. Abou- 4126,
5354
- Elenkov, E. 5810, 5811,
6919
- Els, A. 7070
- Elewa, M. A. 7654
- Elfattah, M. Abd- 1817
- Elfremova, T. G. 6758
- Elgee, E. 4415
- Elikawela, Y. 4856
- Elizarov, Yu. A. 5282,
7075
- Ellaby, S. 4098, 4173
- Elliott, C. R. 7277
- Elliott, E. W. 4634
- Elliott, H. J. 4007, 4616,
4617, 5855
- Elliott, M. 3959, 4559,
6948, 7596
- Elliott, R. H. 5886, 5887
- Ellis, C. R. 1691, 6050
- Ellis, P. E. 738, 742

- Ellis, R. F. 1003
 Ellis, T. L. 6575
 Elsamara, F. F. 3941
 Elshaarawy, M. F. 4977
 Elshafie, M. 6661
 Eltanahy, M. M. 1432
 Eluwa, M. C. 1308
 Emden, H. F. van 5143, 5368, 6766
 Emka, Yayah 728
 Emmel, T. C. 2452
 Emmerich, H. 53, 744
 Encarnacion, D. 3598
 Endo, T. 662
 Endrődi, S. 4610
 Enfield, F. D. 5892
 Engel, H. 6737
 Engel, J. L. 1005
 Engler, R. 6912
 Englert, W. D. 2327
 Engroff, B. W. 5441
 Engsbro, B. 4349
 Enică, D. 273
 Enkerlin S., D. 3248
 Ennis, W. B., Jr. 2750
 Enns, W. R. 4803, 5562
 Enríquez, L. 65, 7060
 Entjeng Surachman 720
 Entomological Society of Southern Africa 5937
 Entomology Branch, Queensland Department of Primary Industries 2862
 Entomology Division, Tasmanian Department of Agriculture 6915
 Entrudo, M. 1544
 Entwistle, P. F. 487, 4384
 Erakay, S. 6858, 6871
 Erber, J. 1802
 Ercegovich, C. D. 7151, 7679
 Erdman, H. E. 6243
 Eremenko, T. S. 6019
 Erfurth, P. 375, 4834
 Erickson, J. M. 2427
 Ershad, D. 3808
 Ersoy, G. 7565, 7566
 Ertle, L. R. 2724
 Esaac, E. G. 1024, 3267, 5254, 5797
 Esau, K. L. 2705
 Escalante G., J. A. 696
 Escobar, C. Q. 4329
 Esenther, G. R. 805
 Esipenko, P. A. 1876
 Esmaili, M. 2582
 Esparza-Duque, J. 4511
 Essawi, T. El- 6986
 Estácio, F. L. de F. 1536
 Estefanel, V. 1457
 Estesén, B. J. 2249, 2997, 5819
 Etchegaray, H. S. 4261
 Etchegaray, J. B. 4215, 4993
 Etienne, J. 242, 249
 Étienne, J. 4137, 4801
 Eto, M. 4541
 Etten, J. Van 4790
 Etter, G. E. 2657
 Ettlinger, L. 3141
 Etzel, L. K. 6331
 European and Mediterranean Plant Protection Organization 3875
 Euverte, G. 5110
 Evans, A. A. F. 1848
 Evans, D. 2154
 Evans, D. A. 7683
 Evans, D. E. 243
 Evans, F. D. S. 2541
 Evans, G. 4183
 Evans, G. O. 3778, 5411
 Evans, H. C. 400, 7495
 Evans, H. F. 6630
 Evans, N. 657
 Evans, R. T. 6385
 Evans, W. G. 4658
 Evdokimov, N. Ya. 1346
 Eveleens, K. G. 726, 727, 729
 Evenhuis, H. H. 327, 1895, 2655, 3542
 Everett, H. W. 3026
 Everett, P. H. 882
 Eves, J. D. 3210
 Ewen, A. B. 4613, 5273
 Faber, W. 7163, 7228, 7249
 Fabres, G. 4798
 Fabritius, K. 2629, 3030
 Fadare, T. A. 4376
 Fagan, E. B. 3956
 Fagel, G. 6440
 Fahmy, H. S. M. 3787, 3788
 Fahmy, M. 334, 335
 Fahmy, M. A. 1011
 Fain, A. 5707
 Fain, M. J. 5302
 Fairchild, M. L. 3463
 Fakulteit van de Landbouwwetenschappen, Gent. 2636
 Falcon, L. A. 898, 5974, 6331, 6912
 Falls, J. B. 4789
 Fam, E. Z. 3787, 3788, 3797, 3798, 3799
 Fang, S. C. 6413
 Farahbakhch, G. 5587
 Fard, P. Azmayesh- 5418
 Fargerlund, J. 2365
 Farghaly, H. T. 4221
 Fargues, J. 489, 2963
 Faria Estácio, F. L. de 1536
 Farid, N. 3376, 3377
 Farkas, S. R. 3399, 5279
 Farley, R. D. 1250
 Farmery, H. 7585
 Farnham, A. W. 3959, 4559
 Farooqui, T. N. A. 4996
 Farr, F. M. 5200
 Farrag, S. M. 1898
 Farrell, C. A. 3195
 Farrell, J. A. K. 3601, 6325
 Farrow, R. A. 1233, 4188, 4191
 Farwell, S. O. 537
 Fast, P. G. 1581, 1582
 Fatah, M. S. Abdel- 3267
 Fattah, M. I. A. El- 3715, 3716
 Fattah, M. I. Abd-El- 4018
 Fattah, M. I. Abdel- 5645, 5646, 5986
 Fattah, M. L. Abd-El- 4364
 Faulkner, P. 4467
 Faulkner, R. 4421
 Faust, R. M. 959, 1580
 Favinger, J. J. 1572
 Favre Castel-branco, A. J. 2845
 Fedde, V. H. 3509, 4402
 Federal Department of Agricultural Research, Nigeria 6051
 Federal Working Group on Pest Management, United States 3486
 Fedorinchik, N. S. 3854
 Fedorintchik, N. S. 3854
 Fedorko, A. 2960
 Fedoryak, V. E. 5677
 Feese, H. 3202
 Feil, V. J. 6400
 Feir, D. 7073
 Feldmann, A. M. 3247
 Fellin, D. G. 6814
 Fels, P. 3419
 Fenemore, P. G. 2258
 Fenili, G. A. 4185
 Fennah, R. G. 4209
 Ferenz, H. J. 4063
 Ferguson, A. M. 3649
 Ferguson, D. C. 5241, 6446
 Ferguson, K. C. 5848

- Ferkovich, S. M. 56, 6286
 Fernandes, A. M. S. S. 4562
 Fernandes, I. M. 2846
 Fernández C., G. 707
 Fernández Hermoza, D. 680
 Fernandez, M. R. 5802
 Fernando, H. E. 4856
 Ferran, A. 789, 1231, 2570, 5391
 Ferree, D. C. 2878, 7313
 Ferreira, E. 281
 Ferreira, M. C. 4005
 Ferreira, M. da S. 4953
 Ferreira, M. L. 82
 Ferreira, M. T. 7361
 Ferrer, F. 1934
 Ferrer, F. R. 2459
 Ferrer W., F. 1935
 Ferrer Wurst, F. 1934, 1935, 1936
 Ferris, G. F. 555
 Ferro, D. N. 2364, 2530, 3224
 Ferron, P. 2218, 2225, 5087
 Ferwerda, M. A. 2453, 7095
 Fery, R. L. 7382
 Festić, H. 5720
 Fettes, J. J. 5816
 Fewkes, D. W. 245, 258
 Fiaux, G. 2881, 3260, 7534, 7559
 Fick, J. O. 5990
 Field, W. D. 2350
 Fields, G. J. 2886, 3452
 Figarella, J. 1975
 Filimonov, G. I. 1416
 Filshie, B. K. 1596
 Finch, S. 3462, 6149
 Finci, S. 3316
 Findlay, G. M. 5206
 Findlay, J. B. R. 5951
 Finlayson, D. G. 1466, 3327
 Finlayson, L. H. 2199, 5988
 Finlayson, T. 1105
 Finnamore, D. 3564
 Finnegan, R. J. 769, 4764
 Finney, J. R. 5884
 Firstenberg, D. E. 6296, 7649
 Fischer-Colbrie, P. 3251
 Fischer, H. 1046
 Fischer, M. 2633, 5834
 Fish, J. C. 1141, 4643
 Fisher, F. M. 1208
 Fisher, F. M., Jr. 4577
 Fisher, J. R. 3463
 Fisher, T. W. 1907, 4784
 Fitton, M. G. 7030
 Fitz-Earle, M. 3242
 Fitzgerald, T. D. 2343, 4802
 Fjeldsø, A. 117, 5373
 Flaherty, B. R. 3834
 Flaherty, D. L. 337, 627
 Flannagan, J. F. 914
 Flavell, T. H. 7425
 Flechtman, C. H. W. 222, 1428, 6451, 6550
 Flessel, J. K. 4883
 Fletcher, B. S. 49, 3926
 Fletcher, D. J. C. 1265
 Fletcher, L. W. 6241
 Fletcher, W. W. 5173
 Fleurat-Lessard, F. 1554, 7474
 Flint, H. M. 890, 4367, 5334
 Flores F., J. D. 1363
 Flores, J. C. 3722
 Flowers, H. M. 1119, 4650
 Floyd, G. L. 3922
 Floyd, M. A. 7683
 Flück, V. 4315, 5789
 Fluri, P. 1805
 Flynn, C. M. 3680
 Foda, S. M. 5588
 Foerster, L. A. 3935
 Fogal, W. H. 6214, 7424
 Folts, D. 2604
 Foltz, J. L. 2162, 5668
 Fomenko, R. B. 4693
 Fong, C. H. 7346
 Fonseca, J. P. C. da 1537
 Food and Agriculture Organization 1203, 1204, 1205, 1206, 1207, 2265, 2543, 2667, 3212, 4526, 5126, 5141, 5399, 5775, 5981, 6063, 6929, 6930, 6931, 6932, 6955
 Foot, M. 3686
 Foot, M. A. 7379
 Foott, W. H. 3590, 6049
 Forbes, A. G. 4508
 Forbes, A. R. 6213
 Forbes, I. 359
 Forbes, W. T. M. 4742
 Ford, J. H. 2299
 Forest Research Institute, New Zealand 5219
 Forestry Commission 6215
 Forgash, A. J. 1115, 3903, 6507
 Forgie, C. D. 3185
 Forno, H. 2889
 Forrest, H. S. 6503
 Forrest, J. M. S. 5566
 Förster, G. 1906
 Forster, S. 2578, 6540
 Forsythe, H. Y., Jr. 1418, 6521, 7165
 Fort, G. 6733, 7546
 Fortusini, A. 7293
 Fos, A. 1993
 Foskett, M. J. 845
 Fossati, A. 1788
 Foster, D. R. 6513
 Foster, J. E. 1193
 Fouda, A. F. G. H. S. 1647
 Fouda, H. G. 2973
 Fouly, M. M. El- 1661
 Fourie, D. C. L. 5944
 Fowler, D. L. 6954
 Fowler, J. L. 948, 949, 2222
 Fowler, R. F. 1518, 6837
 Fox, C. J. S. 295, 300, 350
 Fox, L. 7372
 Fox, R. C. 3034
 Foxe, M. J. 5721
 Fraenkel, G. 1775
 Francis, J. 900
 Francke-Grosmann, H. 6816
 Francke, W. 1143, 2318
 Franco, E. 6127, 6134
 Francoeur, A. 3998
 François, J. 1755
 Franek, M. 4169, 5930
 Frank, J. H. 241
 Frank, R. 1658, 2302, 5212, 6360
 Frankenhuysen, A. van 1319, 2129, 6719
 Franklin, R. T. 1508
 Franqueira, J. H. de A. 1537
 Franti, C. E. 2574
 Frantsevich, L. A. 5444
 Franz, J. M. 1603, 4513, 5663
 Franzmann, B. A. 2784, 2902, 2906
 Frazier, N. W. 6090, 6091
 Frear, D. E. H. 7660
 Frech, D. 2408
 Free, J. B. 1698, 4345
 Freed, V. H. 5774, 6413
 Freeland, W. J. 4697
 Freeman, H. P. 1704, 4574
 Frei, R. W. 6391
 Freier, B. 4252, 4522, 5496
 Freitas, A. de 4311
 French, J. R. J. 1316, 4398
 French, J. V. 947

- French, M. C. 1060
 Fresnau, D. 7117
 Freuler, J. 2912, 3862, 5592, 5593
 Frey, G. 4601
 Friedel, T. 6502, 7077
 Friedlander, A. 2420
 Friedlander, C. P. 7104
 Friedman, A. R. 5170
 Friend, D. 904
 Friendship, C. A. R. 1674
 Friese, G. 5226
 Frilli, F. 1284, 5139
 Frisbie, R. E. 7395
 Frischknecht, H. R. 2398
 Fristrom, D. 1772
 Fristrom, J. W. 1772
 Fritz, J. S. 6989
 Fritzsche, K. H. 4524
 Fritzsche, R. 2673, 3114, 3166, 5186, 5610, 5620, 5637, 7375
 Froeschner, R. C. 7288
 Froberg, H. 3334
 Frye, R. D. 484, 2789, 3068, 4416
 Fryxell, P. A. 1331
 Fuente, J. M. de la 703
 Fuentes Jiménez, R. 3540
 Fuentes, M. C. 4104
 Fueter, R. W. 7413
 Fuhrmann, T. W. 1015
 Führer, E. 4218, 5445, 6617
 Fujii, K. 6287
 Fujie, A. 662, 4317
 Fujimoto, Y. 7053
 Fujisaki, K. 3689
 Fujiyama, S. 29, 30
 Fukami, H. 4676, 5755
 Fukami, J. 1784
 Fukami, J. I. 5266, 5267, 5801
 Fukaya, M. 2482
 Fukuda, A. 1080
 Fukuda, R. 5394
 Fukunaga, K. 1784, 3436
 Fukushima, T. 5304, 5305
 Fukuto, T. R. 1007, 1011
 Fullerton, D. G. 3007
 Fulton, W. C. 3259
 Fung, K. K. H. 4563
 Funk, A. 6843
 Funke, B. R. 3282
 Furgala, B. 7486
 Furk, C. 69, 4417
 Furness, W. 3953
 Furniss, M. M. 3211, 5687
 Furr, R. E. 3010, 3669
 Fürsch, H. 4137
 Furth, D. G. 2356
 Furtick, W. R. 3830, 7631
 Fuzeau-Braesch, S. 167, 4692
 Fye, R. E. 3714, 5644
 Fytizas, E. 2654, 4669
 Gaaboub, I. A. 7660, 7661, 7662
 Gäb, S. 4535
 Gabriel, W. 6786
 Gad, A. M. M. 3403
 Gadiyappanavar, R. D. 286
 Gaedike, R. 3353
 Gaeta, R. 2297, 3309, 3337
 Gaffal, K. P. 7074
 Gafurova, V. L. 5529
 Gage, S. H. 2477, 3385, 7173
 Gagné, R. J. 223, 1104, 2334, 5669, 5994
 Gagnepain, C. 2616
 Gahukar, R. T. 3204, 5142, 5393, 5501, 6685, 7111
 Gaïdarov, P. G. 57
 Gaines, R. B. 4290
 Gair, R. 3946, 5618, 7618
 Galas'eva, T. V. 6841
 Galford, J. R. 4079
 Galichet, P. F. 6668
 Gallardo Z., A. 1365
 Galley, D. J. 616, 2466, 3935
 Gallo, D. 368, 4870
 Gallo, J. R. 1461, 1462
 Gambaro, P. I. 1292, 2253
 Gambaro, P. Ivancich-6738
 Gamou, N. 5327
 Ganchev, G. 7524
 Gandhale, D. N. 3644
 Gandhi, J. R. 157
 Ganesalingam, V. K. 4015
 Ganesalingham, V. K. 567
 Ganes, D. 6654
 Gangrade, G. A. 866, 2059, 4089, 4340, 4786, 4787, 4951, 6641, 6777, 7045, 7358
 Ganguli, R. N. 3694
 Gangwere, S. K. 95, 4698
 Gao, D. X. 6646
 Gara, R. I. 921, 3079, 4006, 4072, 4399, 5658, 5665, 7414
 García A., C. 695
 Garcia, B. A. 3876
 Garcia, C. 3823
 Garcia, M. L. 4235
 Garcia, R. D. 3262, 5314
 García Tuduri, J. 2904
 Garcin, J. E. 4666
 Gardiner, B. 2402
 Gardiner, B. O. C. 2382, 7072
 Gardiner, G. R. 3817
 Garg, A. K. 6693
 Gargav, V. P. 863, 7253
 Garhy, A. T. El- 4690, 5276, 5277
 Garlich, J. D. 7071
 Garnaga, N. G. 7343
 Garnas, R. L. 6984
 Garrido, M. C. 1585
 Garvanov, M. 2887
 Gary, N. E. 6578
 Garza, M. G. 2565
 Gasanov, M. M. 5643, 6037
 Gaskin, D. E. 3977, 4280
 Gasser, R. 5116
 Gaston, L. K. 3399, 5279
 Gatehouse, A. G. 6533
 Gatilova, F. G. 2602
 Gatooma, Cotton Research Institute 6184
 Gatoria, G. S. 6795
 Gaud, S. M. 2143, 2904, 3717
 Gaud, S. Medina 2143
 Gauer, W. O. 122
 Gaughan, E. J. 1009
 Gaughan, L. C. 534, 1695, 6948
 Gaugler, R. R. 3129
 Gauld, I. D. 5449, 5825, 5832, 5837
 Gaumont, J. 7426
 Gaumont, R. 7426
 Gaun, S. 1716
 Gaunce, A. P. 500, 3859
 Gauss, R. 3762
 Gawaad, A. A. A. 2094, 2288, 2446, 2765
 Gawaad, A. A. Abdel-5299, 5531
 Gay, F. J. 215, 2175, 5839
 Gayar, F. El- 5184
 Gayar, F. H. El- 2094, 2765, 4167
 Gayar, F. M. El- 7660, 7661, 7662
 Gayen, A. K. 6760
 Gaylor, M. J. 2522, 7389
 Geer, R. D. 537
 Geidel, H. 6381
 Geisman, J. R. 3880
 Geispits, K. F. 2519
 Gelbart, W. M. 6514
 Gelbič, I. 7656
 Geldermalsen, M. van 1421
 Gemrich, E. G., II 7606

- Genchev, I. 1842
 Genchev, N. 511, 2540, 3894
 Gendrier, J. P. 7546
 Genizi, A. 4370
 Genov, G. 1942
 Genova, T. 2252
 Gent, Fakulteit van de Landbouwwetenschappen 2636
 Gentile, A. G. 4995
 Gentner, L. 7317
 Gentry, C. R. 849, 2217, 3396, 6924, 7302
 Genty, P. 1990, 3615, 4452, 4458
 Genung, W. G. 4923, 4924
 Geoffrion, R. 2019
 Georgala, M. B. 6138
 George, D. A. 3916, 3925, 6925
 George, K. S. 7579
 George, M. V. 149
 Georgevits, R. 2134
 Georgevits, R. P. 7419
 Georgiev, G. 397, 497, 511
 Georgiev, G. G. 3277
 Georgieva, A. 2000
 Gepp, J. 5011, 5012
 Gerber, G. H. 572, 5077
 Gerginov, L. 5504, 5505
 Gerhardson, B. 3803
 Gerig, L. 6977
 Gerini, V. 6745
 Gerling, D. 793, 2472
 Germanov, A. 3545
 Gerrard, D. J. 5037
 Gershenson, Z. S. 5225
 Gerson, U. 3487, 4019, 4044, 4504, 7322
 Gertler, A. 4044
 Gerwen, A. C. M. van 1863, 2685, 4757, 5419
 Gettig, R. R. 7151
 Geyer, A. 5384
 Ghadir, M. F. Abou- 5412
 Ghafar, S. Abdel- 6986
 Ghai, S. 7193
 Ghani, M. A. 773, 1272, 1280, 1338, 1386, 2328
 Ghar, M. A. El- 4975
 Gharib, A. 7287
 Ghauri, M. S. K. 2348, 3366, 6031, 6047, 6999
 Ghilarov, M. S. 2597
 Ghizdavu, I. 6662
 Ghlijdj-Abai, M. 7518
 Ghobrial, A. 891, 3001
 Ghorpade, K. D. 1296, 6754
 Ghosh, A. K. 2355, 7205
 Ghouri, A. S. K. 5399
 Ghovanlou, H. 2373
 Giamzo, S. P. 1043, 7336
 Gibel, W. 5167
 Gibson, J. R. 1041, 2305
 Gibson, M. A. 3918
 Gibson, R. W. 296, 5623, 5624, 5625, 5627
 Gibson, W. P. 6633
 Gidaszewski, A. 5006
 Giege, B. 5542
 Giersemehl, I. 1172, 5186
 Giese, R. L. 4515
 Gieselmann, M. J. 4198
 Giesemann, K. J. 381
 Giessmann, H. J. 276, 352
 Gifawesen, C. 3282
 Gifford, J. R. 238
 Gijzel, W. P. 4074
 Gilbert, L. I. 3393
 Gilby, A. R. 38, 7049
 Giles, P. H. 6232
 Giliomee, J. H. 5937, 5950
 Gilkalai, A. R. 2858
 Gill, C. C. 6041
 Gill, J. S. 5399
 Gill, K. M. 3782
 Gill, R. J. 1779
 Gill, S. S. 594, 595
 Gillenwater, H. B. 3930
 Gillett, S. D. 164, 3520, 5426
 Gillette, N. L. 1664, 6821
 Gillott, C. 4236, 4237, 5886, 5887, 6502, 7077, 7106
 Gillott, M. A. 3922
 Gilman, A. 2307
 Gilman, A. P. 1684
 Gilmer, R. M. 2186, 7477
 Gilmour, D. 6519, 6520
 Gilyarov, M. S. 2597, 5931
 Gingell, R. 1690
 Ginn, T. M. 4577
 Gipson, I. 4462
 Gipson, J. R. 294
 Girardie, A. 592
 Girardie, J. 592
 Girault, A. A. 5917
 Giray, H. 2536
 Girish, G. K. 938, 1532, 1562, 1563, 3781, 4437, 4439, 6310, 6311, 6312
 Girling, D. J. 232
 Girolami, V. 3228
 Gist, C. S. 7412
 Gittins, A. R. 990
 Glaeser, G. 7351
 Glancey, B. M. 3533, 7076
 Glass, E. H. 6730
 Glasshouse Crops Research Institute 5465, 5478
 Gledhill, J. A. 5961
 Glen, D. M. 796, 6576
 Glez, V. M. 7380
 Głogowski, K. 527, 528, 3318, 6969
 Gloria B., R. 692
 Glumac, S. 5325
 Goeden, R. D. 811, 812, 1329, 2741, 2758, 5975, 7213
 Goedicke, H. J. 5805
 Goeldlin de Tiefenau, P. 3372
 Goerlitz, D. F. 3331
 Goertzen, R. 5438
 Gogary, S. El- 5254, 5797
 Gohain, R. 5859
 Göhlich, H. 1620
 Gojrati, H. A. N. 3238
 Gokhle, V. G. 5926
 Gokulpure, R. S. 3519
 Goldenberg, S. 848, 2896
 Goldsworthy, G. J. 4068, 4189, 5309
 Gołebiewska, Z. 1570, 4876, 6862
 Golikov, V. I. 369
 Golliker, D. E. 1472
 Golob, P. 657
 Golubeva, T. A. 6701
 Goma, A. 3567
 Gomaa, A. A. 4030, 4690, 5276, 5277, 5394
 Gomas, A. A. 4655
 Gomes de Lima, J. O. 1440
 Gómez Tovar, J. 697
 Gona, O. 7180
 Gonçalves, A. J. L. 4807, 4808
 Gonçalves, C. R. 1884, 4807, 4808, 5586
 Gonen, M. 1153
 Gp'onev, G. 5550
 Gontarenko, M. A. 6105
 González A., P. M. 673
 Gonzalez, D. 1196
 González, H. Serantes de 3660
 González M., S. 5072
 González N., A. 3611
 González, R. H. 2344, 2889, 6350, 6380
 Gonzalez, R. H. 7544
 Goodenough, J. L. 2942, 6192
 Gooding, G. V., Jr. 460
 Goodman, L. J. 1853
 Goodpasture, C. 4077

- Goodwin, R. H. 1596,
1597
Goodyer, G. J. 2903,
3701, 6957
Goonewardene, H. F.
3629
Goos, A. 1602, 3311
Goos, M. 370, 371, 1602,
2951, 3299, 3311, 6165
Gopalachari, N. C. 6560
Gopalakrishna, C. V. S. S.
V. 6560
Gopalakrishnan, R. 937
Gord, A. 6998
Gordh, G. 15, 1088, 1098,
5462, 6998
Gordon, C. C. 878
Gordon, D. 6527
Gordon, H. T. 660
Gordon, J. A. 5214
Gordon, S. C. 1996, 5599
Gore, W. E. 4631, 4632,
4633
Górecki, K. 7652
Gorham, J. R. 3779
Goring, C. A. I. 7621
Gorsuch, C. S. 4109
Goryshin, N. I. 2519
Gosnell, R. 4446
Gospodinov, G. 1347,
1940
Gospodinov, G. T. 5494
Goszczyński, W. 7138
Gothilf, S. 6485
Goto, T. 461, 4057
Gottlieb, F. J. 5312
Gottwald, R. 307
Gotwald, W. H., Jr. 3014
Gouger, R. J. 5335
Gouhar, K. A. 1669,
1670, 3668, 5067
Gould, H. J. 5604, 6151,
7601
Goulding, R. 5175
Gour, T. B. 6496
Gouranton, J. 2207
Gourdoux, L. 4625
Goursaud, J. 3315
Goussev, G. V. 3854
Govindan, N. 6667
Govindan, R. 3572, 3657,
4371, 6686
Govindarajan, R. 6342,
6343
Govindu, H. C. 4844
Gowda, B. L. V. 158,
3578, 3676, 4762, 6070,
6699, 7333
Gowda, G. 4867
Gowda, H. C. B. 4762
Gowing, D. P. 268
Goy, G. 4837
Goyal, A. N. 7154
Goyal, R. K. 1562
Goyal, S. P. 7154
Goyslin, N. M. 6945
Grabarkiewicz, A. 4969,
5120
Grabner, D. R. 5170
Graca, I. 4562
Gracen, V. E. 4259
Graf, E. 2157, 2163, 2164
Graf, P. 3543
Graham-Bryce, I. J. 3965,
7560, 7596, 7620
Graham, H. M. 2497,
2942, 6794
Granados, R. R. 2211,
4450
Granett, A. L. 3118, 5722
Granett, J. 3053, 3400,
4566, 5144
Granger, N. A. 3418
Granges, J. 1839
Granillo, C. R. 1575
Grant, G. G. 2408, 2432
Grassner, G., III 3412
Gravalle, P. J. 3211
Gravena, S. 4939
Graves, J. B. 6026
Graves, J. L. 6386
Graves, T. M. 4391
Gray, B. 428, 641, 642,
643, 3057, 3063, 3072
Gray, D. E. 4816
Gray, E. G. 5655
Grbić, V. 4908
Greathead, D. J. 1281,
1496, 6156
Greaves, T. 1267
Grebennikov, V. S. 6571
Grecu, C. 2796
Green, A. A. 5177, 6249
Green, C. W. 1845
Green, E. C. M. 1497
Green, N. 3421
Green, S. M. 2683
Greenbaum, H. N. 3760,
5377
Greenberg, S. 1988, 4370,
6743, 7324
Greene, G. L. 3670, 3861
Greenhalgh, R. 1209,
5816, 6947
Greening, H. G. 6288
Greenslade, P. J. M. 751,
3536, 3537
Greenway, A. R. 69, 2052,
6462
Greichus, Y. A. 4561
Greifenberg, G. 362
Grell, R. F. 6514
Grenier, S. 20, 1235, 1236,
2706, 6463
Gres', Yu. A. 6018
Greywood-Hale, E. A.
760, 761
Gribkova, I. N. 6116
Grice, R. E. 3934
Griffin, I. 5259
Griffin, J. G. 2573
Griffin, R. P. 3034
Griffith, F. D., Jr. 5814
Griffiths, D. A. 5411
Griffiths, D. C. 69, 7586
Griffiths, G. C. D. 7016
Griffiths, J. T. 3830
Griffiths, K. J. 4800
Grift, N. 915
Grigolo, A. 2461
Grigorov, S. 1194
Grijpma, P. 3077, 3078
Grills, C. C. 2377
Grimes, D. W. 889
Grimm, M. 7522
Grimmer, D. C. 3193
Grinberg, Sh. M. 5745
Grindeland, R. 284
Grisdale, D. 2408
Grisdale, D. G. 1844,
2569, 6581
Grisson, P. 3167
Grissell, E. E. 3032, 6869
Grob, K. 2690
Grobov, O. F. 180
Grodner, M. L. 3411
Grodner, R. M. 6386
Gröner, A. 2194, 4480
Groner, Y. 3320
Groote, J. de 4837
Grosch, D. S. 1770, 3232,
5187
Grosmann, H. Francke-
6816
Gross, H. R., Jr. 191, 359,
2944, 4506, 4727
Grosu, A. P. 7399
Group de Travail Lutte
Intégrée en Vergers
6733
Groupe de Travail pour la
Lutte Intégrée en
Arboriculture 7310,
7530
Gruber, F. 7413
Grübner, P. 1213, 1688,
5805
Gruner, L. 474, 3853,
4825, 4826
Gruys, P. 4512, 7536,
7552, 7617
Grylls, N. E. 1451
Grzelak, K. 1771
Guagliumi, P. 5981, 6669
Guan Soon, Lim 1356,
1951

- Gubbaiah 2983, 3570,
 3676, 3708, 4430, 6772,
 7383
 Gückel, W. 1614, 5380
 Gudakova, V. I. 6784
 Gudauskas, R. T. 2235
 Gueldner, R. C. 72, 1483,
 2406, 2992, 4686, 4724
 Guennelon, G. 1830, 5073,
 5390
 Guenzi, W. D. 6389
 Guerra, A. A. 74, 3262,
 5314
 Guerra, M. de S. 251,
 2112
 Guerra, R. J., Jr. 4048
 Guevremont, H. 3748,
 4791
 Guibord, M. O. 6660
 Guibord, M. O'c. 5473,
 5475
 Guido, A. S. 2762
 Guido, A. Silveira- 3133
 Guillet, J. C. 1763
 Guimarães, J. A. M. 1545
 Guimarães, J. H. 6438
 Guindy, M. A. El- 2287,
 7650, 7651
 Guirgis, M. W. 1669, 1670
 Guirguis, G. N. 1667
 Guirguis, M. W. 3668,
 3917, 3923
 Gujrati, J. P. 866, 4786,
 4787
 Gulii, V. V. 6326
 Gumpf, D. J. 3118, 5722
 Gunawardena, S. D. I. E.
 4856
 Gunther, F. A. 1006,
 3879, 3882, 3885, 3888,
 6390, 6941
 Gunther, J. D. 1006, 3879,
 3882, 3885, 3888, 6390,
 6941
 Guppy, J. C. 2837, 5527
 Gupta, A. K. 6878, 7358
 Gupta, B. P. 6032
 Gupta, D. S. 1482, 3785
 Gupta, K. M. 5123
 Gupta, L. K. 6032
 Gupta, M. R. 3095
 Gupta, P. C. 2306, 6874
 Gupta, S. K. 734, 2981,
 5387, 5513, 6789, 7318
 Gupta, U. P. 3122
 Gupta, U. S. 4679
 Gupta, V. K. 1566
 Gurchan Singh 288
 Gurevitz, E. 5553, 6720,
 6743
 Gurmeet Singh 7282
 Gurney, A. B. 4108
 Gur'yanova, T. M. 2485
 Gusev, G. V. 3854
 Guss, P. L. 4732
 Gustafsson, B. 5689
 Guthrie, F. E. 1686
 Guthrie, N. C. 3194
 Guthrie, W. D. 284, 6367
 Gutierrez, A. P. 898
 Gutierrez, J. 1093
 Gutmann, E. 3416
 Gutsche, V. 4521
 Güvener, A. 3317, 7663
 Gwiazda, M. 2278
 Gyotoku, N. 5535
 Gysels, H. 5272
 Gysin, H. 5164
 Gyulai, P. 2623
 Habai, J. C. 4666
 Habeck, D. H. 2971, 4283,
 6657
 Habib, Rehana 856
 Habibi, J. 3005
 Hadley, N. F. 1377, 1780
 Hadžistević, D. 1351
 Haechler, M. 4837
 Haeikal, A. A. 1945
 Hafez, M. 4777, 5111
 Hafez, O. A. 1017
 Hagedorn, D. J. 1449
 Hagen, B. W. 4406
 Hagen, K. S. 767, 5528
 Hagihara, Y. 5795
 Hagley, E. A. C. 6115
 Hagstrum, D. W. 441,
 4103, 4729, 6289
 Hague, K. 258
 Hågvær, E. B. 201, 205,
 431, 4796, 5899
 Hågvær, S. 431
 Hahn, E. 731, 4834
 Haidari, M. 2787
 Haile, D. 4839
 Haile, D. G. 644, 1225,
 6192
 Hain, F. P. 5668, 7411
 Haines, C. P. 6487
 Haines, I. 5989
 Haines, J. B. 5989
 Haisch, A. 2578, 3226,
 4320, 6540, 7556
 Hajrasuliha, S. 268
 Hak, R. R. Iss- 4359,
 4360, 4363, 4976
 Hakim, A. M. El- 1039,
 1040
 Halawa, S. Abou- 6938
 Halbert, E. J. 240
 Halbing, W. 4834
 Hale, E. A. Greywood-
 760, 761
 Hale, J. T. 4852
 Hale, K. L. 5926
 Hale, P. R. 4852
 Halfawy, M. A. El 3897
 Halfhill, E. 2928
 Halimie, M. A. 7267
 Hall, D. J. 2124, 3746
 Hall, D. R. 2407, 4070,
 5268, 5871
 Hall, F. R. 1418, 2878,
 7313
 Hall, J. C. 6514
 Hall, L. J. 6477
 Hall, M. J. R. 6533
 Hall, P. M. 6212
 Hall, R. A. 988, 6332,
 7581
 Hall, W. T. 1369
 Hallam, G. M. 959, 1580
 Halliday, R. B. 1730
 Halmágyi, L. 4003
 Halstead, A. J. 7503
 Halstead, D. G. H. 6237
 Halteren, P. van 713, 716,
 723, 724, 725, 7257,
 7272
 Hama, H. 1147, 1656,
 2806
 Hamaesy, A. H. El- 3685
 Hämäläinen, M. 5451
 Hamburg, H. van 5952
 Hamdy, M. K. 2024, 3724
 Hameed, S. F. 328, 1043,
 6110, 7135, 7336
 Hamid, A. M. Abdel- 895
 Hamid, M. A. El- 1252,
 1263
 Hamilton, A. G. 3443
 Hamilton, G. 1004
 Hamilton, J. T. 6965
 Hamilton, K. G. A. 19,
 1101, 3979, 3984
 Hamilton, P. A. 1891
 Hamlen, R. A. 410, 411,
 423, 3729, 6802
 Hamm, J. J. 1225, 1584,
 3389
 Hammack, L. 6301, 6489,
 7056
 Hammad, S. H. 3685
 Hammad, S. M. 1912,
 2926, 3480, 4963, 6493,
 6494, 7033, 7283, 7284
 Hammann, I. 1607
 Hammill, T. M. 4479
 Hammock, B. D. 594, 595
 Hammon, R. P. 5794
 Hammond, A. M. 6666
 Hammond, R. B. 6163
 Hamon, A. B. 3450
 Han, J. C. Y. 4536
 Handa, S. K. 6778
 Handel, E. van 100, 6475
 Hangartner, W. W. 6382

- Hanifa, A. M. 1963, 6164
 Haniotakis, G. E. 5137
 Hanks, A. R. 5199
 Hann, R. L. 4374
 Hanrahan, S. A. 5086
 Hansen, D. J. 523
 Hanson, A. A. 6363
 Hanson, C. H. 308
 Hanson, F. E. 5290
 Hanuss, K. 1626
 Hara, S. 2240, 6338
 Harada, T. 7445
 Haraguchi, H. 5517
 Harakly, F. 4000
 Harakly, F. A. 1024,
 3439, 3665, 3690, 4182
 Haramoto, F. H. 4699
 Harbach, R. E. 7037
 Harcharan Singh 354,
 3687, 6188
 Harchuk, E. P. 5936
 Harcourt, D. G. 2837,
 5527, 6143
 Hardee, D. D. 1483, 2993,
 2994, 4362, 6191
 Harding, J. A. 2990
 Hardy, D. E. 3596, 4682
 Hardy, R. J. 1366, 2679,
 2680, 7164
 Hardy, Y. J. 2145
 Hare, W. W. 3389, 3492,
 3494, 3594
 Harein, P. K. 6246
 Harish Chandra 4750
 Harjai, S. C. 3527, 4752
 Harlan, D. P. 2944
 Harley, K. L. S. 1328,
 2746, 4240, 4241
 Harley, M. J. 3181
 Harman, D. M. 927
 Harman, G. E. 2489
 Harmsen, R. 6195, 6200
 Harnden, A. A. 6848,
 6849, 6850, 6851
 Harnoto 715
 Harp, S. J. 4374
 Harpaz, I. 3807
 Harper, G. 5250
 Harper, J. D. 2235, 6819,
 7489
 Harrap, K. A. 1579
 Harrell, E. A. 191, 3389,
 3492, 3493, 3494, 3594,
 4727
 Harries, V. 5983
 Harrington, E. A. 4214
 Harrington, F. P. 5190
 Harris, C. R. 877, 2793,
 2914, 3889, 6359, 6360,
 7658
 Harris, E. J. 143, 492,
 493, 494, 2568, 3432,
 3433, 3506, 5127, 5130
 Harris, F. A. 3175
 Harris, J. A. 6826
 Harris, K. F. 3116
 Harris, K. M. 5537, 6908
 Harris, M. K. 3865, 4131,
 5571, 7300
 Harris, P. 2751, 2755,
 3564, 4243, 4817
 Harris, S. J. 530, 2310
 Harris, T. M. 4994
 Harris, W. 3551
 Harrison, R. F. 6290
 Harry, O. G. 2199, 5988
 Hart, G. J. 6388
 Hart, N. K. 3926
 Hart, W. G. 2565
 Harten, A. van 4207,
 4208, 6452
 Hartisch, J. 1045
 Hartleb, H. 5611
 Hartmann, G. C. 207,
 1593
 Hartsell, P. L. 3796, 5716
 Hartstack, A. W., Jr. 5908
 Hartung, N. 5892
 Hartwig, E. E. 2940
 Harvey, A. E. 2162
 Harvey, G. T. 3031
 Harvey, T. L. 2779
 Harvey, W. R. 4451
 Harwalkar, M. R. 119,
 146, 1989, 3233, 3239,
 6088
 Harwood, R. F. 991, 1515
 Hascoet, M. 2957
 Hasegawa, K. 4057, 4059,
 4060, 6506
 Hasegawa, M. 7447, 7448,
 7449, 7450
 Hashi, H. 5365
 Hashimoto, A. 2450
 Hashimoto, S. 5579
 Hashimoto, Y. 4541
 Haskell, P. T. 7632
 Hassan, E. 3016
 Hassan, S. 6328
 Hassan, S. A. 971, 1603,
 2910, 2911, 3910, 4731
 Hassan, S. M. 3707, 4358
 Hassan, S. T. 4125
 Hassanein, M. S. 1263
 Hassell, M. P. 109, 2716,
 5363, 5364
 Hassib, M. 395, 1815
 Hastings, F. L. 5889
 Hata, K. 5244
 Hatchett, J. H. 865
 Hathaway, D. O. 3925
 Hatmosoewarno, S. 3254
 Hattori, I. 670, 5895
 Haugh, J. R. 5815
 Hauri, P. 2912
 Hauschild, K. I. 3931
 Hauss, R. 1759
 Havers, S. J. 5411
 Haward, A. 5800
 Hawkes, C. 3409
 Hawkes, R. B. 2758
 Hawkins, W. A. 4695
 Hawlitzky, N. 2423
 Hawthorne, J. C. 2299
 Hawthorne, R. M. 5772
 Hay, C. J. 1524
 Hayashi, M. 1085, 1956
 Hayashi, N. 7021
 Hayat, M. 1306, 1908,
 2337, 7002
 Haydak, M. H. 4710
 Hayes, A. H. 4139
 Hayes, D. K. 648, 3342
 Hayes, M. B. H. 3934
 Haynes, D. L. 620, 653,
 3259, 3385, 6676
 Haynes, J. W. 119, 617,
 658, 4362
 Hayo, J. M. 2462
 Hays, S. B. 749, 4769,
 7126, 7178
 Hazan, A. 3487, 4019,
 4044
 He, K. H. 6646
 Headley, J. C. 111
 Heath, J. 4594
 Heath, R. G. 2301, 7669
 Heathcote, G. D. 3679,
 4961
 Heather, N. W. 216, 3106,
 6206
 Hecht, H. 5779
 Hedden, R. L. 5665
 Hedin, P. A. 72, 601,
 1482, 2992, 4686, 4724,
 6483
 Hedqvist, K. J. 3365
 Heemann, V. 2318
 Heemert, C. van 2460,
 3243
 Heenan, M. P. 1042
 Hefeneider, S. H. 5892
 Hegazi, E. M. 1912
 Heie, O. E. 5918
 Heinisch, E. 1045, 1050
 Heinrich, G. H. 1821
 Heinrichs, E. A. 2934,
 4953, 7258
 Heitz, J. R. 3535, 4119
 Helaly, M. S. El- 4167
 Helder, M. Versluis- 5791
 Helfert, B. 5416
 Helgert, E. 5144

- Helgesen, R. G. 1639, 6709
 Helle, W. 505, 4546
 Hellén, W. 3997
 Hellqvist, H. 3308
 Helm, K. F. 4115
 Helrich, K. 2140
 Helw, M. R. El- 895
 Hemaesy, A. H. El- 2926, 3685, 4963
 Hemeda, H. M. 3440, 3441, 3539
 Hemming, F. 3999
 Henderson, I. F. 4286
 Henderson, M. J. 6897
 Henderson, M. T. 228
 Hendricks, D. E. 2414, 4047, 4048, 4728
 Hendricks, L. C. 4304
 Hendrickson, C. M. 3300, 6946
 Hendry, L. B. 1779, 3059, 4629, 4630, 4641, 4735
 Henkelman, D. H. 4224
 Henneberry, T. J. 6192
 Hennequin, J. 4518
 Hennig, W. 5237
 Henrick, C. A. 3876, 6937
 Henrion, B. 3950
 Henry, J. E. 473, 5085
 Henry, T. J. 1723, 6553, 6614, 7012, 7127
 Hensley, S. D. 234, 235, 236, 263, 269, 3867, 6026, 6666
 Henson, R. D. 72, 6483, 6990
 Henzell, R. F. 1369, 1370
 Heong, K. L. 4865
 Hepburn, H. R. 3402, 4050, 5274
 Heppner, J. B. 4336, 6806
 Herakly, F. A. 1445
 Herazo, A. Pérez- 705
 Herbert, H. J. 1232, 2870
 Heremans, K. A. 2311
 Herfs, W. 347
 Herger, P. 5924
 Hergert, C. R. 5423
 Herman, E. 1694
 Herman, W. S. 7080
 Hermann, H. R. 6457
 Hermoza, D. Fernández 680
 Hernández Paz, M. 4987
 Hernández R., F. 783, 1474, 1475
 Herne, D. C. 3276
 Herold, H. 4346, 7375
 Herrebout, W. M. 5226
 Herrera, L. 5420
 Herrington, P. J. 5569, 7526
 Herrmann, A. 1180
 Hertel, R. 5877
 Hertert, H. D. 3047
 Hertveldt, L. 2651, 2653, 5296, 6773
 Herzog, D. C. 3674, 6609
 Herzog, G. A. 5328
 Hess, R. T. 2231, 4463
 Hetnarski, B. 4531
 Hetzler, H. 4578
 Heu, M. H. 4273
 Heungens, A. 3028
 Heuser, S. G. 2314, 2548
 Heuser, S. G. B. 6247, 6272
 Hewlett, P. S. 3891
 Hewson, R. T. 7610
 Hewston, L. J. 7367
 Heybroek, H. M. 3735
 Heyde, M. 310
 Heyer, W. 4522
 Heywood, D. L. 5160
 Hichins Q., N. 699
 Hicks, D. M. 1866
 Hicks, L. J. 5888
 Hidaka, T. 588, 3596
 Higa, S. Y. 5589
 Higgins, I. J. 6952
 Highland, H. A. 1548, 4431, 6248, 7462
 Highnam, K. C. 4660, 4661
 Hignch, Y. 5394
 Higuchi, H. 1095
 Hikichi, A. 6360
 Hikichi, M. 4564
 Hikino, H. 4062, 5260
 Hildahl, V. 913
 Hill, A. 4636
 Hill, A. J. 6358
 Hill, A. S. 3490, 4637, 4639
 Hill, B. G. 3006
 Hill, D. S. 2672
 Hill, J. E. 4543
 Hill, K. G. 2699
 Hill, L. 162, 1857, 5427
 Hill, R. E. 1742, 2794, 3591
 Hill, S. A. 2301
 Hille Ris Lambers, D. 1084, 1728
 Hiller, E. 4420
 Hillhouse, T. L. 7393
 Hillier, J. R. 1713, 6076
 Hillyer, S. 2197
 Hincks, W. D. 4004
 Hindenlang, D. M. 4630, 4641
 Hinds, W. T. 6559
 Hink, W. F. 465, 1587, 6333
 Hinks, C. F. 4010
 Hinton, H. E. 7038, 7039
 Hintze-Podufal, C. 3420, 4674
 Hinz, B. 276, 1677, 4251
 Hirai, K. 6039
 Hirano, C. 5787
 Hirao, J. 287, 835, 1960, 4174, 5515, 5516, 7255, 7256
 Hirashima, Y. 561, 2347, 3172
 Hiremath, I. G. 6896
 Hirose, C. 1957
 Hirose, T. 5703
 Hirose, Y. 3044
 Hirst, M. 3275
 Hirwe, A. S. 4537
 Hitchcock, B. E. 4822, 5483
 Hiwada, T. 1354, 1355
 Hlavac, T. F. 4105
 Hobbs, G. A. 7281
 Hobza, R. F. 661
 Hochmut, R. 1806
 Hodek, I. 89, 90, 624, 2480, 6532
 Hodges, J. D. 5026
 Hodgson, E. 1756
 Hodgson, P. 7387
 Hodgson, P. J. 4868
 Hodková, M. 1131
 Hoelscher, C. E. 4342
 Hoelscher, H. W. 4344
 Hoffard, W. H. 6833
 Hoffman, J. D. 135, 1223
 Hoffmann, D. 165
 Hoffmann, D. F. 2226, 5078, 6337
 Hoffmann, G. M. 6594
 Hoffmann, J. A. 161, 165, 2687, 4662
 Hoffmann, R. J. 103
 Hoffrichter, O. 1822
 Hofmann, K. 2874
 Hofsvang, T. 205, 4796, 5899
 Hogan, H. J. 4266
 Hogan, T. W. 5434
 Hoko, N. 2723
 Holan, G. 7089
 Holden, A. V. 4572
 Holihosur, S. N. 4474, 6896
 Hollander, J. den 6461, 6664
 Hölldobler, B. 5431
 Holler, T. C. 2027
 Holling, C. S. 1301, 5363

- Hollingsworth, J. P. 4728, 5908
Hollingworth, R. M. 6916
Hollis, D. 7184
Holloman, M. E. 4540
Holloway, R. L. 4124, 4342
Holloway, T. E. 238
Holm, R. E. 5169
Holman, J. R. 4769
Holmes, N. D. 277, 2916
Holmstead, R. L. 508, 6949
Holst, H. 2284
Holsten, E. H. 921, 4072, 4399
Holt, G. G. 612, 4081
Holt, R. F. 6561
Hölters, W. 4063
Holtmann, H. 6279
Holton, R. 6409
Holtzer, T. O. 6522, 6523
Holzschuh, C. 439
Homeyer, B. 1608, 2664
Homma, K. 5158
Homonnay, F. 4281
Honda, H. 1454, 7041
Honěk, A. 27, 5249
Honeyborne, C. H. B. 5143
Hong, J. W. 625
Hong, T. K. 6497
Hongo, T. 5158
Hongtrakula, T. 3179
Honiball, F. 5956
Honma, K. 1849, 3841
Honore, E. N. 3195
Hood, C. S. 3868
Hood, N. D. 1713
Hoong Fong, C. 7346
Hooper, G. H. S. 1154
Hooper, G. R. 3116
Hopff, W. H. 2398
Hopkins, A. R. 519, 2998
Hoppe, I. M. 4407
Hoppe, K. T. 1780
Hoppe, W. 6673
Hopper, G. H. S. 3428
Hopping, G. R. 5335
Hople, T. 7082
Horber, E. 308, 2835, 2932, 2933, 3667, 6681
Hori, K. 576, 868, 1442, 2396, 2954, 5615, 6142
Horikiri, M. 5360
Horler, D. F. 5783
Horn, B. 890, 4367, 5334
Horn, E. 2433
Horne, J. A. 5427
Horská, K. 1595
Horstmann, K. 1268, 2635, 3771, 3772, 5235, 5835
Horticulture Branch, Department of Primary Industries, Queensland 6759
Horton, P. M. 749, 4769
Horton, R. C. 3036
Horváth, J. 1929, 4457
Hosking, G. P. 3763
Hoskinson, R. M. 3084
Hosny, A. 4030, 4031
Hosny, M. M. 1945, 3002, 3702, 3703, 4363
Hosokawa, S. 3911
Hosozawa, S. 3347
Hostetler, B. B. 6000
Hostetter, D. L. 316, 478, 2056, 2120, 3823, 6780, 7487, 7521
Hostounský, Z. 2195
Hou, R. F. 1835
Houghtaling, J. E. 3709
Houghton, E. 68
Houk, E. J. 132, 1214, 6469
House, V. S. 3507, 6186
Houser, E. C. 865
Houseweart, M. W. 507
Houston, D. B. 7440
Houten, J. G. ten 2637
Houx, N. W. H. 127, 1069
Howe, G. J. 5206
Howe, I. 41
Howe, R. W. 1216, 7625
Howell, J. F. 143, 492, 493, 494, 1221
Howell, J. O. 318, 2363, 2366, 6447, 6702
Howells, A. J. 6467
Howells, L. C. 5202
Hower, A. A., Jr. 2459
Howes, J. L. 7502
Howick, C. D. 2737, 4719
Howitt, A. J. 2852
Howse, G. M. 6848, 6849, 6850, 6851
Howse, P. E. 4628, 7683
Hoxie, R. P. 2782
Hoy, M. A. 88, 623, 627, 1287, 6820
Hoying, S. A. 5557, 6025
Hoyt, S. C. 2554, 3469, 3470
Hrdý, I. 2444, 7613
Hrubík, P. 435, 924, 3067
Hrutfjord, B. F. 7414
Hsiao, C. 3417
Hsiao, T. H. 3417
Hsieh, C. Y. 4276, 4862
Hsieh, D. P. H. 6984
Hsieh, F. K. 4496
Huang, H. T. 3154
Huang, M. D. 2901
Huang, P. 5340
Huang, T. 4187
Huang, T. F. 4441
Hubbard, D. L. 2526, 2527
Hubei Institute of Microbiology 6892
Huber, J. 6112
Huber, M. Wyss- 2739
Huber, R. E. 6481
Huber, R. T. 4515
Hubert-Dahl, M. L. 2924
Huddleston, P. M. 2993, 4362
Huddleston, T. 5825
Hudon, M. 5474, 5476, 7246
Hudson, N. M. 2679, 2680, 7164
Hue, D. W. La 1692, 5708
Huether, J. P. 6170
Huffaker, C. B. 995, 1402, 3156, 6371, 6906
Hughes, I. G. 4201
Hughes, L. C. 4981, 4982, 4983
Hughes, P. R. 60, 64, 925, 2383, 3042, 7418
Hughes, P. S. 2479
Hughes, R. D. 1267
Hughes, R. G. 7630
Hügi, H. 2912
Huhta, V. 2767
Huignard, J. 649, 2372
Huisman, A. H. 3949
Hukuhara, T. 2220
Hulls, I. K. 184
Hummelen, P. J. 7270
Hung, A. C. F. 4202
Hunter, D. K. 2226, 5078
Hunter, E. 2283
Hunter, K. W., Jr. 2733
Hunter, P. E. 2008, 6225
Huntington, K. A. 2246
Huque, H. 1253, 1952, 2085
Huraux, M. J. 3949
Hůrka, K. 7122
Hůrková, J. 5189
Hurlbert, S. H. 3890
Hurpin, B. 1900, 5118, 6880
Hurst, G. W. 4967
Hurst, H. E. 6973
Hurter, J. 5271
Hussain, F. 816
Hussain, M. 4067
Hussain, S. 1785

- Hussein, E. M. K. 2467, 5321
 Hussein, M. Y. B. 6609
 Hussey, N. W. 3964, 5478, 6906, 7583
 Hutacharern, C. 4547
 Huth, P. C. 4558
 Hutson, D. H. 2644
 Hutt, R. B. 2877, 3431, 4081, 7303
 Huwyler, S. 2690
 Hwang, C. Y. 4354
 Hwang, F. S. 1922
 Hwang, G. H. 2239
 Hyde, K. M. 6609
 Hyer, A. H. 390
 Hylin, J. W. 7665
 Hyodo, K. 7454
 Hys, L. de 4667
 Hyun, J. S. 2165, 4132
 Jacob, N. 847, 976, 985, 1027
 Ibadan University 6605
 Ibaraki, A. 6961
 Ibarra D., G. E. 1435
 Ibrahim, F. E. Z. 899
 Ibrahim, M. M. 899, 2689, 4031
 Ibrashy, M. T. El- 1252, 1263, 1793
 Ichikawa, T. 1804, 5755, 5901
 Ichinosé, T. 6150
 Iglisch, I. 1733
 Ignătescu, I. 1980
 Ignoffo, C. M. 135, 478, 1223, 2056, 2120, 2936, 3145, 3154, 3159, 3823, 5205, 6780, 7487, 7521
 Igue, T. 694
 Iirkovskii, G. G. 6530
 Iizuka, N. 867
 Ikekawa, N. 7053
 Ikemoto, H. 4672, 4673
 Ikuzawa, M. 7457
 Ilan, Joseph 2404
 Ilan, Judith 2404
 Ilharco, F. A. 4208, 6452
 Ilić, B. 449
 Il'inskaya, N. B. 5878
 Ilnytzky, S. 6843
 Imabayashi, S. I. 7523
 Imamura, M. 5360
 Iman, M. 717, 722
 Immel, R. Prokić- 1609
 Inagaki, I. 3148, 7490, 7491
 Inch, T. D. 3933
 Incio P., C. 695
 India, Directorate of Plant Protection, Quarantine and Storage 3514
 Ingle, S. J. 2565
 Inglés Casanova, R. 3717
 Injac, M. 1242, 1594, 2251, 3813
 Inogamov, R. U. 7659
 Inoue, H. 5626
 Inoue, K. 336, 5581
 Inouye, H. 2810
 Inscoc, M. N. 5197
 Institut de Recherches du Coton et des Textiles Exotiques 2086
 Institute of Plant Protection, Ministry of Agriculture, Israel 3975
 Institute of Tea Research 2107
 Intari, S. E. 5043, 5044
 Inter-Regional Training Project, UN Development Programme 5089
 International Atomic Energy Agency 3212, 5126, 5775
 International Institute for Tropical Agriculture, Nigeria 6968, 6992
 International Rice Research Institute 5514
 International Union of Pure and Applied Chemistry 4527, 4542
 Ioannidēs, A. G. 6121
 Iordanov, I. G. 5504
 Iowa Agriculture and Home Economics Experiment Station 6361
 Ipe, I. M. 2060
 Iperti, G. 89, 90, 6532
 Iqbal, M. 4751
 Ireson, J. E. 2679
 Ironside, D. A. 2861, 2895
 Irshad, M. 1338
 Irshenko, V. A. 6077
 Irving, A. R. 6278
 Isa, A. L. 668, 819, 851
 Isaev, V. V. 5552
 Isart, J. 2946
 Isensee, A. R. 4580
 Ishaaya, I. 1074, 1119, 2399
 Ishiguro, T. 509
 Ishii, K. 2853
 Ishii, M. 826
 Ishii, S. 1804, 4676, 5755, 5901
 Ishii, Y. 124
 Ishikura, H. 7634
 Ishiwatari, T. 1748
 Islam, M. N. 3423
 Islas, S. F. 3042
 Ismail, I. I. 3472, 3602, 3603, 4212, 5067
 Ismail, S. 4692
 Ismailov, M. G. 5643
 Ismailov, V. Ya 5388
 Isobe, M. 4057
 Israel, Ministry of Agriculture 3975
 Iss-Hak, R. R. 4359, 4360, 4363, 4976
 Issa, G. I. 2891
 Issi, I. V. 2182
 Istratii, L. N. Cheban-2584
 Itô, Y. 262, 747, 1816, 1933, 3600, 4133, 5893, 5895, 6036
 Ittycheriah, P. I. 1831
 Ittycheriah, S. A. 1831
 Ivancich Gambaro, P. 1292, 2253, 6738
 Ivannikov, A. I. 6573
 Ivanov, I. 1382, 7296
 Ivanov, L. L. 5288
 Ivanov, S. 5559, 7196
 Ivanova, S. G. 7009
 Ivány, J. J. H. Szent-5630
 Ivashchenko, I. I. 5398
 Irbijaro, M. F. 2003
 Iverson, L. G. K. 3830
 Ivie, G. W. 1013, 1041, 6406, 6407, 6990
 Ivliev, L. A. 1869, 1871, 1875
 Iwaki, M. 2931, 3121, 6876
 Iwaki, S. 7682
 Iwantsch, G. F. 788, 2710, 3652, 7191
 Iwao, S. 1372, 2556, 2734, 7041
 Iwata, T. 1656, 3198
 Izatt, M. E. G. 162, 5427
 Izhar, Y. 6743
 Jabbar, A. 2776
 Jacklin, S. W. 2023
 Jackman, J. A. 620
 Jackson, C. E. 889
 Jackson, C. G. 6566
 Jackson, C. H. N. 281
 Jackson, D. S. 3319
 Jackson, G. J. 1108
 Jackson, G. V. H. 1472
 Jackson, K. L. 470, 2209, 2210, 7484
 Jackson, M. D. 4579
 Jackson, P. W. 4342
 Jackson, R. D. 238, 266, 2504
 Jacob, A. 488, 950, 1471, 3151, 3152, 5074, 6340

- Jacob, S. A. 454, 4433
 Jacobs, W. 4587
 Jacobson, M. 2415, 3157, 3421, 5088, 6033
 Jacobson, R. A. 4532
 Jacques, R. L. 4714
 Jacquiot, C. 7427
 Jadot, R. 2665, 3117
 Jafri, A. K. 3375
 Jagan Mohan, N. 5429
 Jaganathan, T. 2049
 Jagannath, B. 7274
 Jagannath, M. K. 4869
 Jahn, E. 439, 5356
 Jahn, K. 4164
 Jain, A. C. 7328
 Jain, S. K. 4439, 6311, 6312
 Jaisson, P. 7117
 Jakhmola, S. S. 4356, 4971
 Jakuczun, L. 4618
 Jalamkar, M. R. 4818, 7215
 James, M. T. 2333
 James, P. 3163
 James, W. 519
 Jameson, G. W. 5434
 Janagarajan, A. 3004
 Janaki, I. P. 832, 2800, 4847, 4851, 4857
 Janardar Singh 4783
 Janda, J. 1700, 2293
 Janda, V., Jr. 2393
 Janes, M. J. 4843, 4922, 4923, 4924, 5498
 Janes, N. F. 3959, 4559, 5202, 6948, 7596
 Jansen, J. D. 7644
 Jansson, B. 3306
 Janus, C. A. 6334
 Janýska, A. 7371
 Janzen, D. H. 4697
 Japan Agricultural Chemicals Overseas Development Commission 1949
 Japan Food Hygienic Society 7443
 Jaques, R. P. 463, 471
 Jarolím, V. 6938
 Jarosz, J. 4475
 Jarraya, A. 5109
 Jasić, J. 7103
 Jasiólek, Z. 1352
 Jaswant Singh 6692
 Jat, N. R. 4927
 Jauffret, F. 2153
 Jay, D. L. 142
 Jay, E. G. 2500, 4683, 6225
 Jayaraj, S. 582, 791, 854, 894, 1439, 1591, 1903, 1964, 2037, 2090, 2227, 3125, 4088, 5575, 6064, 6342, 6343, 6640, 6883
 Jayaram, M. 3095, 4528, 6414
 Jayaramaiah, M. 2969, 3570, 3657, 4353, 6772, 6788, 7383
 Jayaraman, S. 4436
 Jebamoni Rabindra, R. 5070, 5079
 Jefferies, D. J. 1060, 4572
 Jeffrey, I. G. 1099
 Jeffs, K. A. 7586
 Jegatheeswaran, P. 1620
 Jellum, M. D. 5503
 Jenkins, D. 4565
 Jenkins, J. N. 5336
 Jennings, D. M. 3919, 6405
 Jennings, D. T. 3066, 3502, 3766, 4720, 5667, 6844
 Jensen, D. D. 2185, 3123, 3124, 3496
 Jensen, R. L. 3674
 Jensen, S. 3306
 Jeppson, L. R. 661, 2326, 5576
 Jepson, W. F. 869, 6267
 Jermy, T. 2612, 3250, 4308
 Jerraya, A. 7463
 Jesser, M. J. 5576
 Jiang, B. H. 4823
 Jilani, G. 1552
 Jiménez, R. Fuentes 3540
 Jiráček, V. 2428, 3034
 Joachim, F. G. 3415, 6579
 Jobin, L. 5656
 Jodko, J. Narkiewicz-2918, 6757
 Joginder Singh 6795
 Johansen, C. A. 524, 3210, 3319
 Johansen, N., R. M. 3357
 Johansen Naime, R. M. 902
 John, M. 4064, 4529
 John, P. A. 2367, 2368, 2369
 Johnson, A. 3342
 Johnson, A. W. 964, 3011
 Johnson, B. A. 4332, 6598, 6599, 6600
 Johnson, C. 5223
 Johnson, C. A. 259
 Johnson, C. D. 6652
 Johnson, C. G. 6596
 Johnson, C. P. 5259, 5861
 Johnson, E. 6465
 Johnson, H. G. 5576
 Johnson, J. 2907
 Johnson, J. W. 2817
 Johnson, M. G. 4345
 Johnson, M. W. 94
 Johnson, N. E. 994
 Johnson, P. C. 5009
 Johnson, R. A. 1857
 Johnson, R. D. 6951, 7646
 Johnson, W. G. 1683
 Johnson, W. H. 532
 Johnson, W. L. 2563, 3711, 7059, 7567
 Johnston, D. W. 6979
 Johnstone, D. R. 2246, 7510
 Joia, B. S. 4840
 Jolly, G. M. 2831
 Jones, A. L. 331
 Jones, A. S. 6420
 Jones, A. T. 6092
 Jones, D. H. Spencer-3939
 Jones, D. P. 491
 Jones, F. J. S. 3919
 Jones, G. A. 2305
 Jones, J. C. 4451
 Jones, J. M. 3749
 Jones, J. P. 3692
 Jones, J. W. 2096, 3447, 3448, 5336
 Jones, K. G. 5569, 7513, 7526
 Jones, M. G. 800
 Jones, O. T. 2068
 Jones, R. A. 1640, 2863
 Jones, R. L. 1981, 2564, 3594, 4505, 4506, 5461
 Jong, D. J. de 4903, 7552
 Jongen, W. M. F. 127
 Jönsson, P. 6909
 Joos, J. J. 6601
 Joos, J. L. 845, 1424, 2885
 Jordana, R. 5420
 Jørgensen, O. F. 4220
 Jose, P. C. 344
 Joseph, A. 452
 Joseph, K. J. 12, 1087, 1914, 3614, 4603
 Josephson, L. M. 2940
 Joshi, B. G. 4551
 Joshi, F. L. 2294, 4932
 Joshi, G. 3092
 Joshi, G. P. 1800, 3103, 3197, 4090, 4100, 4668, 4710
 Joshi, J. P. 5433
 Joshi, M. L. 884
 Joshi, R. D. 3122, 6878
 Jotwani, M. G. 4830
 Jouan, J. Rouze-7156

- Joubert, P. C. 2829
 Jourdehuil, P. 1404, 3170, 5114
 Jouvenaz, D. P. 1866, 6980
 Joy, P. J. 12, 1087, 1914, 3614
 Joyce, R. J. V. 6596, 7506
 Judenko, E. 6913
 Juengst, F. W., Jr. 6419
 Jugovich, J. 3059, 4629, 4641
 Juillet, J. 3748
 Juliano, B. O. 1965
 Jumper, G. A. 2435
 Juneau, A. 7435
 Juneja, V. K. 4934
 Jung, N. 1047
 Junk, G. A. 6989
 Junnikkala, E. 2421, 4681
 Jussila, R. 3990
 Juszkievicz, T. 3312, 6970
 Jutsum, A. R. 4189, 5309
 Jyotsna Singh 7069
 Kaae, R. S. 4045
 Kabisch, U. 2359
 Kacharmazov, V. 1994
 Kacsó, A. 4510
 Kadkao, S. 3596
 Kadłubowski, W. 4618
 Kado, C. I. 2854, 2855
 Kadota, T. 3912, 3913, 3914
 Kady, E. El- 4000
 Kadyan, A. S. 3648
 Kagan, F. 360, 1321, 1450, 2843, 4933, 6710, 6761, 6769, 6928
 Kahl, E. 6901
 Kahn, M. A. A. 4795
 Kahumbura, J. M. 900
 Kaida, H. 5583
 Kailashnathan, K. 7355
 Kailidis, D. S. 2134
 Kain, W. M. 2268, 2825, 2826
 Kaiser, T. E. 6410, 7668
 Kaiser, W. 2187
 Kaiser, W. J. 4948
 Kaissling, K. E. 4073
 Kajita, H. 5466
 Kajúchová, N. 227
 Kalabekov, A. A. 5552
 Kalifa, A. 2088
 Kalinkina, I. N. 2434
 Kalkandelen, A. 546
 Kalkundri, V. K. 6185
 Kalmakoff, J. 1977
 Kalo, P. 3345, 3346
 Kalode, M. B. 4270, 5510
 Kaloostian, G. H. 945, 3118, 5722
 Kalra, A. N. 1342
 Kamal, S. S. 4343
 Kamalanthan, S. 3003
 Kamalov, K. 5647
 Kamano, S. 134, 1747, 5872
 Kamara, S. B. 833
 Kamburov, G. 5769
 Kamburov, S. S. 5133
 Kamel, A. A. 4687
 Kamel, A. A. M. 3895, 4974, 4975
 Kamel, A. H. 1668, 3797, 3798, 3799
 Kameneva, Z. S. 57
 Kamilov, A. V. 6181
 Kamino, K. 5360
 Kamioka, S. 588
 Kamionek, M. 197
 Kamiwada, H. 5360
 Kamiyama, Y. 1068
 Kamm, J. 6540
 Kamm, J. A. 24, 299, 1737
 Kampe, W. 1615
 Kamping, A. 2456
 Kanakov, V. A. 5486
 Kanavel, R. F. 3209, 6358
 Kanayama, K. 1354, 1355
 Kanazawa, J. 1828, 4580
 Kandaswamy, D. 6144
 Kandaswamy, T. K. 860, 864, 887, 907
 Kaneda, C. 4855
 Kanellopoulos, A. G. 7148
 Kaneshiro, K. Y. 4682
 Kang, Y. S. 4273
 Kangas, E. 3345, 3346, 3776
 Kania, C. 1352
 Kankel, D. R. 6514
 Kanmiya, K. 5840
 Kannammal, S. 1044
 Kanno, H. 6059
 Kanno, P. B. 1777
 Kansouh, A. S. 5639
 Kansouh, A. S. H. 3786
 Kapta, U. 7083, 7247
 Kanterina, N. F. 5456
 Kao, W. T. 6499
 Kaochong, P. 3237
 Kapil, R. P. 3392, 4689, 5051, 7672
 Kapoor, K. N. 866, 4787, 4951
 Kapoor, S. K. 6649
 Kapoor, V. C. 3363
 Kapralov, S. I. 7388
 Kapur, S. P. 6649, 6803
 Karabash, Yu. A. 6344
 Karadzhev, S. 2864, 3622, 3624, 3625
 Karaev, N. K. 5916
 Karam, H. H. 4092
 Karaman, Z. 5015
 Karan Singh 938, 1563, 3781, 6310
 Karandinos, M. G. 1222, 4109
 Karavyanskii, N. S. 6322
 Karczewska, M. 312
 Karelin, V. D. 7207
 Karg, W. 2013
 Karganilla, A. 2816
 Karim, E. S. Abdel- 2288, 2446
 Karim, E. S. H. Abdel- 1661
 Karl, E. 455, 456, 1172, 3109, 3113, 5186, 5342, 5602, 5726
 Karnavar, G. K. 51
 Karny, M. 555
 Karpov, A. E. 6344
 Kartavtsev, N. I. 4809, 6352
 Karunakaran, K. 937
 Kashi, D. P. 1665
 Kashi, K. P. 4544, 6397
 Kashkarova, L. F. 3819
 Kashyap, N. 4689
 Kashyap, N. P. 1566, 5051
 Kaška, M. 7488
 Kassai, T. 4541
 Kassulke, R. C. 1328, 4240, 4241
 Kastern, W. H. 28
 Katada, K. 5787
 Katagiri, K. 4469, 6173, 7682
 Katakura, H. 1079, 5481
 Katayama, E. 7079
 Katayama, J. 6210
 Katayama, S. 509
 Katiyar, O. P. 4552
 Katiyar, R. N. 7231
 Katiyar, R. R. 6861
 Kato, N. 3347
 Kato, T. 4136
 Katsoyannos, B. 5271
 Katsoyannos, B. I. 5263, 6736
 Katsoyannos, P. 6135
 Kaufmann, T. 402, 1489, 6514
 Kaul, B. K. 6404
 Kaul, B. L. 4573
 Kaul, R. 1703
 Kaul, S. 2418, 4644, 4680, 5852
 Kaulenas, M. S. 70, 7050

- Kaupp, W. J. 5034, 6223,
6224, 6849, 6850, 6851,
7415
- Kaushal, A. N. 1566
- Kaushal, K. K. 1345
- Kaushik, U. K. 1477,
7265
- Kawahara, S. 6062
- Kawai, N. 5295
- Kawakami, K. 7500
- Kawamoto, F. 2228, 3148,
4468, 7498
- Kawanishi, C. Y. 3818
- Kawar, N. S. 5784
- Kawarabata, T. 481, 954
- Kawasaki, H. 815
- Kawase, E. 762
- Kawase, S. 1586, 7498
- Kawauchi, S. 2723
- Kay, C. A. R. 6525
- Kaya, H. 3750
- Kaya, H. K. 192, 909,
2147, 2471, 4478, 5999
- Kaya, N. 2965, 6602
- Kayamura, T. 2192, 2193,
2198, 5737
- Kayser, H. 31, 40, 4052
- Kayser-Wegmann, I. 574
- Kazano, H. 3436, 5785
- Kazanok, G. T. 325
- Kazino, Y. 618, 619, 880
- Kaźmierczak, T. 5846
- Kearby, W. H. 2120,
4393, 5672
- Kearney, P. C. 4580
- Keaster, A. J. 2491, 3463,
3591
- Keddie, P. D. 6048
- Keeley, L. L. 2232
- Keetch, D. P. 1497
- Kehat, M. 1988, 4370,
6527, 6793
- Keifer, H. H. 848, 2325,
2326, 4323
- Keino, H. 5870
- Keiser, I. 3238
- Kelleher, J. S. 5410
- Kellen, W. R. 1577, 1578
- Keller, S. 5740
- Kellogg, R. L. 7671
- Kelly, D. C. 953
- Kelly, J. R. 5598
- Kelton, L. A. 7015
- Kem, T. R. 6923
- Kemp, P. 7525
- Kemp, T. R. 3866
- Kempton, D. P. H. 5597
- Kennedy, G. G. 1393,
2074, 3656
- Kennedy, J. S. 4589
- Kennedy, M. V. 4540
- Kennedy, P. C. 2125
- Kennel, W. 1617
- Kenneth, R. 7496
- Kennett, C. E. 337
- Keplinger, M. L. 5197
- Keremidchiev, M. 7524
- Kerhoas, L. 3315
- Kerlan, C. 2190
- Kermarrec, A. 2692, 2693
- Kerrich, G. J. 3986
- Kerry, J. C. 3957
- Kersting, E. 1629
- Keshava Murthy, K. V.
4844
- Kettmann, R. 126
- Kevan, K. McE. 9
- Keville, R. 1777
- Key, K. H. L. 4682, 5844
- Kézy, F. J. 607
- Kezdy, F. J. 1137
- Kfir, R. 3456
- Khadr, G. D. 668
- Khafagy, S. 5184
- Khaidarova, Z. M. 7212
- Khaitov, R. Kh. 3305
- Khalid, R. A. 3348, 3899
- Khalifa, A. 4977
- Khalifa, S. 508, 531, 1005,
4539, 6949
- Khalilov, B. B. 313
- Khamis, A. E. 7374, 7655
- Khan, A. 1756
- Khan, A. A. 1253
- Khan, A. G. 1323
- Khan, A. M. 2371, 7064
- Khan, H. R. 3388, 7172
- Khan, M. A. 1782, 4614,
6491, 7091
- Khan, M. A. Q. 3298,
4534, 5171
- Khan, M. R. 581
- Khan, M. Y. 6436
- Khan, S. 6603
- Khan, S. A. 2055
- Khan, S. R. 2213
- Kharchenko, N. A. 7431
- Khare, B. P. 1553
- Khariyanov, A. 314
- Kharoo, V. K. 1118
- Khasimuddin, S. 5264,
5828
- Khatri, A. K. 3569
- Khatri, H. L. 7352
- Khattat, A. R. 4938
- Khidir, E. El 5417
- Khinkin, S. 152
- Khlistovskii, E. D. 5388
- Khokhar, D. S. 3785
- Kholchenkov, V. A. 324,
6104
- Khorkhordin, E. G. 2731
- Khosla, R. K. 2799
- Khosrowshahi, M. 7254
- Khoury, H. 7334, 7527
- Khrapov, I. F. 6784
- Khrstov, G. 7292
- Khrstov, L. 1395
- Khrstova, E. 383, 490,
1174, 3510, 5810, 5811,
6919
- Khrolinskiĭ, L. G. 2438,
5629, 5875
- Khryanina, R. A. 5382
- Khurana, A. D. 2044,
2075, 2867, 3905, 6449,
7169
- Khurana, S. M. P. 6057
- Kido, H. 4639
- Kido, K. 3712
- Kieckhefer, R. W. 1344
- Kien, J. 6604
- Kierych, E. 2838, 7137
- Kifl, A. El- 1371, 4886
- Kifl, A. H. El- 1448,
2925, 3376, 3377, 3642,
3658, 3661, 4205, 4206,
4299, 4777, 5710
- Kifune, T. 2347
- Kiigemagi, U. 2886
- Kikkawa, J. 5112
- Kikuchi, T. 7057
- Kılıç, B. 7565
- Kilincer, N. 5447
- Kilsheimer, J. R. 1034
- Kim, B. K. 3488
- Kim, C. W. 3488, 6556
- Kim, H. K. 4273
- Kim, H. S. 1361
- Kim, J. I. 3481, 6556
- Kim, M. 5755
- Kimbrough, J. W. 3132
- Kimmerle, G. 3338
- Kimoto, S. 6554
- Kimura, M. 6035
- Kimura, T. 5516, 6058
- Kindler, S. D. 4885
- King, A. B. S. 626, 2768
- King, C. J. 3041, 5666,
6835
- King, E. G. 571, 3128,
3553, 6026, 6665, 6666
- King, E. G., Jr. 807
- King, J. M. 3951
- King, M. W. 806
- King, P. D. 3196
- King, R. C. 5312
- King, R. R. 6947
- King, W. J. 2246
- Kingsolver, J. M. 1729
- Kinn, D. N. 845, 4165
- Kinsinger, R. A. 5729
- Kinter, W. B. 2313, 5204
- Kinzer, H. G. 6558
- Kinzer, R. E. 768, 1707
- Kips, R. H. 1014

- Kira, M. T. 230, 231,
3589, 4836
- Kiritani, K. 1473, 1657,
2544, 2807, 2808, 6061,
6062
- Kirk, A. A. 188, 3741,
4154
- Kirk, L. D. 1692
- Kirk, T. K. 805
- Kirk, V. M. 2705, 2778
- Kirknel, E. 5806
- Kirkpatrick, R. L. 939,
6265
- Kirst, L. D. 263
- Kiselek, E. V. 5746, 7648
- Kiselev, V. V. 5694
- Kish, L. P. 952, 3132
- Kishaba, A. N. 3656
- Kishan Singh 2380
- Kishino, K. I. 1969, 4850
- Kishk, F. M. 6986
- Kishore, P. 6075, 7323
- Kisimoto, R. 6688
- Kiskin, P. Kh. 2592
- Kislitsyna, T. I. 5288
- Kislyi, G. S. 7350
- Kiso, A. 1359
- Kitajima, E. W. 7369
- Kitamura, C. 7681
- Kitani, K. 1359
- Kitano, H. 792, 7114
- Kitaoaka, S. 2450
- Kittock, D. L. 2999
- Kiyoku, M. 76, 1126,
1152, 1790, 1791, 2487,
7100
- Kiyota, Y. 5580
- Kjos, Ø. 7342
- Klag, J. 516
- Klassen, W. 3868, 4589
- Klechkovskii, E. P. 4811
- Klein, K. 1602, 3311
- Klein, M. 168
- Klein, W. 1703, 5208,
5778, 5821, 6422
- Kleinhempel, H. 3109
- Kleinjan, J. E. 4621, 7043
- Kleinschmidt, M. G. 3319
- Klemetson, D. J. 3412
- Klemm, N. 6498
- Klicza, L. 1663
- Kliefoth, R. A. 3042
- Klimetzek, D. 5014
- Kline, L. N. 4999
- Kling, H. 2419
- Klingler, J. 4744
- Klink, J. W. 2905
- Kloet, G. S. 4004
- Klomp, H. 5362
- Kluczyńska, J. 1397
- Klun, J. A. 284, 3461,
5758
- Klunker, R. 504, 5186,
5621, 5748
- Kmitowa, K. 2960
- Knapek, R. 525
- Knauf, W. 2643
- Knavel, D. E. 2921, 3866
- Knight, B. C. 5749
- Knight, F. B. 3763
- Knight, J. 5808
- Knight, W. E. 1380, 4297
- Knight, W. J. 1086, 2354
- Knippling, E. F. 3868
- Knipping, P. A. 2921
- Knoke, J. K. 6053
- Knoll, H. A. 6279, 6285
- Knopf, H. E. 4397
- Knopf, J. A. E. 418
- Knott, L. 1622
- Knowles, C. O. 4547,
6408, 6916
- Knox, J. R. 531
- Knutti, H. J. 7608, 7609
- Knyazeva, N. I. 7176
- Ko, J. H. 3465
- Kobayashi, A. 4554
- Kobayashi, S. 834, 6065
- Kobayashi, T. 839, 869,
870, 871, 872, 873, 874,
875, 1354, 1355, 2668
- Koch, C. K. 5413
- Koch, R. B. 4556
- Koch, W. 6993
- Kocha, T. 4136
- Kochansky, J. 1145, 2412,
2416, 4073
- Kochetova, N. I. 6016
- Kock, T. 5541
- Koehler, C. S. 21, 22, 306,
1182
- Koehler, P. G. 7280
- Kofler, A. 3048
- Kogan, M. 2941, 4703,
5344, 5972, 7357
- Koh, H. S. 5755
- Köhalmi, L. 3371
- Kohda, H. 3912
- Kohl, K. L. 6296
- Köhler, S. 362
- Kohler, S. 7434
- Kohli, J. 1703, 5821, 6422
- Kohn, G. K. 6916
- Kohno, M. 1894, 5579,
5703
- Kohsiek, H. 1619
- Koizan, S. D. 309
- Koizumi, K. 779
- Kojima, K. 5155
- Kojima, M. 1574
- Kok, L. T. 2377, 2761,
3444, 3566
- Kokorin, A. N. 6765
- Kolandaiswamy, S. 2797
- Kolar, O. 3155, 3419
- Kolbe, W. 1339
- Kolesnikov, V. A. 6011
- Kolesnikova, N. A. 6011
- Kolev, K. D. 1169
- Kollárová, M. 227
- Köllner, V. 6810
- Kolodochka, L. A. 5928,
7003
- Kolomoets, T. P. 6013
- Kolybin, V. A. 5389
- Komblas, K. N. 3949
- Komolpith, U. 6889
- Komorowska, B. 516
- Kon, Vu Kuang 6014,
7186
- Kondo, T. 1068, 1073,
3755
- Kondratov, E. S. 6580
- Konečný, V. 6962, 6963
- König, E. 5657
- Kono, Y. 577, 3124, 4097,
4271
- Konopleva, V. F. 6724
- Kontev, C. 1135, 2498
- Kontev, Ch. 5873
- Kontev, Kh. 270, 271,
1939, 4065, 5873, 7150
- Koolman, J. 161, 2687
- Kopaneva, L. M. 650,
7175
- Koponen, M. 4422
- Koppers, I. Derksen- 6383
- Korchagin, V. N. 5551
- Korcz, A. 2952, 4876,
4926
- Kordelas, A. G. 4101
- Kormanik, P. P. 1507
- Korotyaev, B. A. 7023
- Kort, C. A. D. de 1760,
4074, 5300
- Korte, F. 1703, 3332,
4535, 4542, 5152, 5153,
7633, 7643, 7645
- Korunić, Z. 6853
- Korzeniowski, S. H. 4641
- Kosak, W. T. 3050
- Kosarych, Z. 4629, 4641
- Koshihara, T. 5511
- Koshy, K. T. 5170
- Koski, P. 1836
- Kosmachevskii, A. S. 369
- Kosoglazov, A. A. 5654
- Kosovac, V. 5718
- Kost, F. 5696
- Kostadinov, A. 315
- Kostadinova, P. 5769
- Kosztarab, M. 553, 3450
- Kotenko, A. G. 6002
- Kotyurigin, V. A. 7147
- Kovachevski, I. 4454,
5725

- Kovacicova, J. 1209
 Kovács, A. I. 3953
 Kovacs, E. M. 5816
 Koval, C. F. 4109
 Kovalev, B. G. 506, 5285, 5759
 Kovaleva, V. F. 6651
 Kovtunen, V. F. 6832
 Kowalewski, T. 1501
 Kowalska, T. 2919
 Koya, K. M. A. 3613, 6089
 Koyama, J. 7252, 7268
 Koyama, K. 5338, 5876
 Koyuncu, N. 7226
 Kozár, F. 107
 Kozarzhevskaya, E. 6448
 Kozhevnikova, A. G. 6183
 Kozlov, E. A. 3810, 3811
 Kozlov, M. A. 6997
 Kozlov, V. F. 6627
 Kozłowska, A. 186, 406, 1503
 Kozłowska, E. 2955
 Krakhotin, N. F. 3819
 Krakowiak, A. 4306
 Krambias, A. 5912
 Kramer, K. J. 607, 1137, 2441, 5053
 Kramer, S. J. 5300
 Kramská, J. Skangiel-2395
 Krasnovskaya, N. I. 2594
 Kraus, M. 2821
 Krause, M. 5817
 Krause, R. A. 6170
 Kravchenko, A. B. 4813
 Kraybill, H. F. 5203
 Krczal, H. 6111
 Kredl, F. 1700
 Kreitzer, J. F. 2304
 Krejzová, R. 1856
 Krieg, A. 486, 969, 2214, 6328
 Krieger, R. I. 4543, 5888
 Krieglér, P. J. 5943
 Krísek, J. 1529
 Krishna, S. S. 1447
 Krishnaiah, K. 4920, 5429, 5634, 6753, 6893, 7251, 7339
 Krishnakumaran, A. 28
 Krishnamoorthy Bhat, P. 2105
 Krishnamurthy, K. 1532, 1562, 3100, 3781, 4437, 4869, 5056, 6316
 Krishnamurthy, N. B. 4711
 Krishnaraj, J. 2987
 Krístek, J. 1528, 1529, 1530
 Kristensen, H. R. 2642
 Kristof, P. 4837
 Krivosheina, N. P. 6755
 Kroczyński, J. 2277, 2961, 7652
 Krombein, K. V. 6024
 Kronland, W. C. 2997
 Kroon, A. M. 4074
 Kropinski, A. M. B. 7476
 Kr'steva, L. 453, 2022, 7305
 Krueger, H. R. 3920
 Kryazheva, L. P. 1185, 6674
 Krylov, D. G. 6971
 Krylova, T. V. 6971
 Krysan, J. L. 4732
 Kryspin, I. 1751
 Krywienczyk, J. 466, 2241
 Krzymańska, J. 1982
 K's'ov, G. 1941
 Kuang Kon, Vu 6014, 7186
 Kuburović, M. 1343, 5754
 Kucera, D. R. 5032
 Kučera, M. 2201, 6480
 Kugelberg, O. 634
 Kuhl, G. 1242
 Kuhlman, D. E. 1947
 Kuhn, C. W. 3119, 5503
 Kühn, H. 731
 Kuhn, S. 890
 Kühne, H. 3105, 5841
 Kühne, W. 5605
 Kuhr, R. J. 2315, 3269, 3457, 6394
 Kuijten, P. J. 5226
 Kuitert, L. C. 3132, 6804
 Kulieva, Kh. Z. 7118
 Kulikova, L. S. 1872
 Kulkarni, J. H. 5812
 Kulkarni, K. A. 3708
 Kulkarni, S. 1549
 Kulman, H. M. 507, 770, 3045, 3833
 Kulshreshtha, J. P. 6696
 Kulshreshtha, J. B. 5510
 Kulshreshtha, J. P. 4270, 5510, 6696
 Kumar, A. 6311, 6312
 Kumar, B. R. S. 3578
 Kumar, R. 2671, 6455
 Kumar, T. P. 3618, 3719, 3720, 3929
 Kumaraswami, T. 6586
 Kumaresan, D. 6180
 Kumari, S. 4689, 5051
 Kumpelova, Ī. 2252
 Kundu, G. G. 7275
 Kunimi, Y. 965
 Kunkel, H. 5877
 Kunkel, J. G. 7051
 Kuno, G. 3137
 Kunter, K. 7566
 Kunze, L. 6111
 Kuo, C. C. 3424
 Kurdov, M. 5642
 Kurian, C. 147, 149, 3613, 6089
 Kurihara, M. 5266, 5267
 Kurihara, N. 5154
 Kurilenko, N. I. 7397
 Kurir, A. 4239, 4405, 5008
 Kurokawa, A. 3490
 Kurosu, Y. 1954, 2806
 Kurt, A. 6714
 Kusano, M. 792
 Kusch, D. S. 3043
 Kuševska, M. 204
 Kushida, T. 4469, 6173
 Kusigemati, K. 547, 815, 5579
 Kustova, I. P. 6573
 Kutsenin, B. A. 5522
 Kutter, H. 2160
 Kutz, F. W. 1683
 Kuul', A. K. 3326
 Kuwahara, M. 1801
 Kuwahara, Y. 609, 4676
 Kuwayama, S. 1286
 Kuzina, N. P. 6355
 Kuzmanov, N. 5769
 Kuzmanova, Ī. 5735, 5736
 Kuznetsov, N. N. 7017
 Kuznetsova, V. G. 6515
 Kvenberg, J. E. 6291
 Kwan, W. H. 2809
 Kwangtung College of Agriculture and Forestry 2811
 Kwangtung Institute of Entomology 1910
 Kwolek, W. F. 3629, 4260
 Kyazimov, Yu. 6181
 Kyuldzhiev, I. 2022
 La Croix, E. A. S. 5190
 La Hue, D. W. 1692, 5708
 Łabanowski, G. S. 2011
 Labh Singh 4438
 Labonne, G. 6739
 Labour, G. 36
 Lăcătușu, M. 2634
 Lacewell, R. D. 4373, 7395
 LaChance, L. E. 614, 3244
 Ladd, T. L., Jr. 3927
 Ladell, W. R. S. 2606
 Laeng, S. 4837
 Laffi, F. 7321
 Laffranque, J. P. 5460
 Lafont, R. 71, 1743, 4028, 4029, 4667, 5258
 Lafontaine, A. 2276

- Laforge, J. P. 789, 1231, 2570, 5391
 Lagemann, U. 2866
 Lagier, R. F. 3319
 Lagueux, M. 4662
 LaHue, D. M. 6292
 LaHue, D. W. 448, 3791
 Lai, Y. S. 2029
 Laing, J. E. 1301
 Laithwaite, E. 3354
 Laitinen, T. 4833
 Lajkow, A. 5594
 Łakocy, A. 3205, 4968, 4969, 5120
 Lakwah, F. A. El- 2288, 2446
 Lakwah, F. El- 1171
 Lal, B. 2079
 Lal, G. 6698
 Lal, O. P. 1028, 4715, 5329, 7332, 7337, 7348
 Lal, R. 7677
 Lal, Rattan 1701, 2047, 2274, 5058, 7339
 Lal, Roshan 7231
 Lal, S. S. 4432
 Lalinder Singh 7352
 Lalitha, K. 4040
 Lall, B. S. 6178, 6179
 Lamb, R. J. 1738, 3476, 5982, 7031, 7115
 Lamb, R. W. 1920
 Lamba, D. P. S. 7672
 Lambdin, P. L. 553, 3450
 Lambers, D. H. R. 1728
 Lambers, D. Hille Ris 1084
 Lambert, D. H. 6034
 Lambertson, J. A. 3926
 Lambrou, P. D. 4026
 Lamont, T. G. 6410
 Lamooza, S. B. 3245
 Lamoureux, C. H. 6400
 Lampel, G. 3373, 5924
 Lamy, M. 3287
 Lana, A. O. 2186, 6145, 7477
 Landa, V. 610, 6501
 Landis, B. 2928
 Landis, B. J. 1113, 1465
 Lane, R. H. 6386
 Lang, J. H. 7461
 Langbehn, L. 5786
 Lange, A. B. 5472, 5995
 Lange, R. 1633, 4718, 5003
 Langenscheidt, M. 78, 1165, 5319
 Langston, D. T. 5324
 Langston, R. L. 4138
 Långström, B. 2139
 Lanier, G. N. 4632, 4633, 4634, 4635
 Lankinen, P. 7096
 Lapiere, H. 2190
 Lapietra, G. 2144
 Lapitskiĭ, V. P. 6612
 Lara, F. M. 4700, 4870, 7361
 Lara, P. 2565
 Laraichi, M. 6005, 7232
 Laroca, S. 6582
 Laroche, A. 210, 1913
 Laroche, A. L. 1295
 Larrivée, J. M. 4941
 Larsen, J. R. 523, 1127, 7037
 LaRue, J. H. 1640
 Lasebikan, B. B. 1254
 Lashomb, J. H. 206
 Láska, P. 2042, 3955, 4921, 6544, 7105
 Lassam, N. J. 2404
 Lassota, Z. 1771
 Latchford, R. A. 6336
 Lateef, M. F. A. 2925
 Latgé, J. P. 6879
 Latham, E. E. 294
 Latham, R. 7127
 Latheef, M. A. 1372, 1373, 2734
 Lathika, P. 5074
 Latinskiĭ, A. I. 5751
 Latteur, G. 821
 Lauckner, F. B. 4961
 Laudeho, Y. 2899, 6135
 Lauer, F. I. 502, 4964
 Lauga, J. 7094
 Laugé, G. 1741
 Laumond, C. 987
 Launois, M. H. 6606
 Lauriaut, F. 6739
 Laut, J. 4446
 Lauverjat, S. 1860
 Lavadinho, A. M. P. 934
 Laveglia, J. 5818
 Laven, H. 5124
 Lavenseau, L. 1754
 Laverdure, A. M. 2436
 Lavie, D. 3683, 3684
 Lavigne, R. J. 174, 2509
 Lavrenko, E. M. 4142
 Law, J. H. 607, 1137
 Law, L. M. 3331
 Lawrence, K. O. 6078
 Lawrence, P. J. T. 7522
 Lawson, F. A. 5075
 Lawton, J. H. 2716, 5363, 5364
 Laxminarayana, K. 7263
 Layman, H. F. 7425
 Layton, B. R. 1650, 4540
 Lazarev, M. A. 7316
 Lazarev, V. S. 2589, 2590
 Lazarova, P. 3725
 Lazarovici, S. 3320
 Le Berre, J. R. 6495
 Le Clec'h, G. 5804
 Le Roy, H. L. 4702
 Le, S. G. 6997
 Lea, T. J. 745, 746
 Leach, C. E. 6294
 Leath, K. T. 308
 Leavitt, R. A. 5966
 Lebedeva, K. V. 5286
 LeCato, G. L. 114, 3087, 3096, 3407, 3784, 5050, 6460
 Leckstein, P. M. 4616
 Leclant, F. 217, 6450, 6739, 7548
 Lecoq, M. 6607
 Leduc, C. 6660
 Lee, B. Y. 3465
 Lee, C. L. 1967
 Lee, C. S. 256
 Lee, D. K. 2002, 2017
 Lee, H. S. 3645
 Lee, I. M. 945, 5722
 Lee, J. O. 1361, 7262
 Lee, L. H. Y. 3173
 Lee, M. Y. 4495
 Lee, R. M. 1662
 Lee, S. C. 3279
 Lee, S. M. 256
 Lee, S. M. 6413
 Lee, W. Y. 3413, 4498
 Lee, Y. S. 5215
 Lee, Y. W. 4744
 Lee Yoon Nam 288
 Lees, A. D. 6466
 Lees, D. R. 108
 Leeuwangh, J. 713, 714, 715, 718, 719, 720, 723
 Lefevre, G., Jr. 6514
 Leffingwell, J. T. 4565, 5163
 Lefort, P. L. 2558
 Leftwich, A. W. 6585
 Legde, G. 4523
 Leggett, J. E. 2563, 3711, 6189
 Legner, E. F. 4014, 4784
 Lehman, W. F. 6706
 Lehmann, H. 3166, 5637
 Lehmann, W. 455, 3109, 4936, 5342, 5719, 5726
 Leigh, T. F. 390, 889
 Leipzig, P. A. 898
 Leiserowitz, R. 593
 Leite, F. de M. 1461
 Lembcke, G. 5594
 Lenelle-Montfort, N. 7070
 Lenicov, A. M. Marino de Remes 3358

- Lennartz, F. E. 2698
 Lenteren, J. C. van 2492
 Lentz, G. L. 1916
 Lenz, M. 2737, 4234, 7210
 León M., J. R. de 1435
 Leon O., V. 6232
 Leonard, D. E. 3868,
 5042, 5437, 5442
 Leonard, M. D. 3538
 Leong, K. L. 3554
 Leonhard, S. L. 5207
 Leontowicz, M. 3459
 Leopold, R. 1795
 Leopold, R. A. 5970
 Leppla, N. C. 96, 575,
 1845, 3500, 4170, 4175,
 5909
 Lerer, H. 2404
 Lerman da Silva, T. 1714
 Lerumeur, M. 7511
 LeSar, C. D. 1947
 Łeska, W. 1397, 1405
 Łeski, R. 1397
 Lessard, F. Fleurat- 1554,
 7474
 Lessmann, D. 2133, 3055
 Lester, R. 599, 2407,
 3256, 4070, 5268, 5871
 Letchworth, P. E. 6940
 Letendre, M. 5475, 6660
 Leu, L. S. 247, 255
 Leuck, D. B. 1981
 Leuschner, K. 2285, 5183
 Leuschner, W. A. 5024
 Leuteritz, S. 4164
 Levendoglu, A. R. 7573
 Lever, B. G. 3221
 Levi, C. 4361
 Levine, E. 2205
 Levins, R. A. 3692
 Levinson, A. R. 1631
 Levinson, H. Z. 440, 1631,
 3343
 Levitina, T. L. 3811
 Levkov, T. 2022
 Levy, H. 4050
 Levy, R. 750, 2697, 3427,
 5311
 Levy, S. 4456
 Lewartowski, R. 1318,
 1450, 1464, 6710, 6928
 Lewin, H. D. 885
 Lewis, F. B. 3812
 Lewis, J. K. 3988
 Lewis, K. R. 5031
 Lewis, L. C. 951, 6362,
 7244, 7245, 7485
 Lewis, T. 173, 2052, 5989
 Lewis, W. J. 191, 4505,
 4506, 7187
 Lhoste, J. 1709, 2661,
 5750
 Li, G. C. 5215
 Li, K. 5081
 Li, T. 6646
 Liana, A. 7136
 Liang, T. T. 1649, 5192
 Liaropoulos, C. 2899
 Libbey, L. M. 412, 2449
 Libby, J. L. 285, 349, 358,
 1455, 4461
 Libion-Mannaert, M. 7070
 Liceras, L. 1434
 Lichtenstein, E. P. 1015,
 1649, 5192, 5776
 Liebherr, J. 1145, 1146
 Liebscher, S. 1307
 Lienk, S. E. 2865, 3902
 Lietaert, M. C. Deltombe-
 7070
 Lieutier, F. 2514
 Lii, G. Y. 7071
 Likventov, A. V. 5283
 Lillehoj, E. B. 4260
 Lillingston, M. Machain
 2988
 Lilly, J. H. 2726, 3647,
 4995, 5508
 Lim, G. S. 1356, 4853,
 4859, 7218
 Lim, G. T. 252
 Lim Guan Soon 1356,
 1951
 Lim, W. H. 853
 Lima, C. P. F. De 4303
 Lima, C. P. F. de 6230,
 6284
 Lima, J. O. G. de 1440
 Lima Santos, O. M. de
 4761, 4956, 4957
 Limacher, H. 1648
 Lin, H. C. 6748
 Lin, K. S. 809, 2801
 Lin, S. J. 3636
 Lin, S. X. 2029
 Lin, T. 3098, 4441
 Lin, T. H. 1058, 3909
 Lin, W. H. 4441
 Lincer, J. L. 4569
 Lincoln, C. 997
 Lindauer, M. 6596
 Lindegren, J. E. 1577,
 1578, 6337
 Linder, A. 7299
 Linder, R. L. 4561
 Lindgren, D. L. 442
 Lindhardt, K. 5400
 Lindig, O. H. 2573, 4119,
 4724, 7058
 Lindquist, D. A. 2639,
 6186
 Lindquist, O. H. 1176
 Lindroth, C. H. 6
 Lindsay, J. H. 1377
 Lindskog, E. 3308
 Lindsten, K. 3803
 Ling, L. 2638
 Lingappa, S. 5509
 Lingren, P. D. 2497, 4728,
 6794
 Link, D. 693, 1457
 Linnavuori, R. 14, 2351,
 2352, 6442
 Liotta, G. 5102, 6136,
 6137
 Liou, C. K. 1966
 Lipa, J. J. 989, 1217,
 1218, 2745, 6918
 Lippold, P. 3179
 Lister, N. A. 4560
 Listov, M. V. 6305
 Litchfield, T. T. 1218
 Littell, R. C. 3692
 Little, D. W. de 6208
 Littleton, B. C. 4571
 Liu, C. S. 6635
 Liu, P. V. 7476
 Liu, T. S. 2247
 Livers, R. W. 2779
 Livshits, I. Z. 3360, 6102
 Ljesov, D. 5122
 Llewellyn, M. 4616
 Lloyd, D. C. 774, 775,
 1277
 Lloyd, E. P. 2083, 2991,
 3710, 6191
 Lloyd, H. A. 1265, 3530
 Lloyd, J. E. 4108, 4709
 Lloyd, M. 2554
 Lloyd, N. C. 4312
 Lloyd, R. J. 3944, 7229
 Lo, K. C. 4745
 Lo, P. K. C. 2909, 6417
 Loaharanu, S. 3237
 Loan, C. C. 1082, 4602
 Loasby, B. J. 3220
 Lobanov, A. L. 7147
 Locke, L. N. 6410
 Lockhart, W. L. 915, 5206
 Lockshin, R. A. 3390
 Lodochnik, P. I. 6569
 Lodos, N. 4141
 Loebenstein, G. 459, 4456
 Loeffler, J. E. 1689
 Loew, F. M. 4159
 Loew, W. 898
 Lofgren, C. S. 1866, 6980
 Loftus, K. 5212
 Lofty, J. R. 1367, 2599
 Logan, D. M. 2872, 2880,
 4904
 Logan, J. A. 3469, 3470
 Logan, W. R. 1772
 Loginova, E. 3510, 5591
 Loginova, M. M. 5370
 Loh, D. W. 4986

- Loher, W. 45
 Lohs, K. 5167
 Lok, J. B. 4200
 Lokki, J. 7096
 Lombrici, G. 1709
 Lomholdt, O. 5369
 Lomtev, A. V. 6675
 Londoño, L. B. 4323
 Long Ashton Research Station 7687
 Longden, P. C. 4345
 Longworth, J. F. 1579, 3134
 Lonsdale, D. 2401
 Loof, A. De 4066
 Look, M. 6821
 Loosjes, M. 5135
 Loosjes, N. 3968
 Lopatina, V. V. 6723
 López D., F. 3218
 Lopez, E. G. 7276
 López, G. 3615, 4452
 Lopez, G. Martinez- 121
 Lorentzen, M. H. 1162, 1163
 Lorenz, W. 1606
 Lorio, P. L., Jr. 5026
 Loschiavo, S. R. 1072, 1551, 6293
 Löser, E. 3338
 Lotodé, R. 1494, 7400
 Lotto, G. De 555, 563, 3989, 3992, 4302
 Louda, S. M. 5975
 Loughton, B. G. 4190, 6510
 Louie, R. 6053
 Louis, D. 1734
 Lounibos, L. P. 6538
 Lourdusamy, T. A. 7386
 Louskas, C. 2899
 Louveaux, A. 4755
 Louw, B. K. 5942
 Love, J. L. 2850
 Loveridge, J. P. 1255
 Lovis, C. 2161
 Lovisolo, O. 7481
 Low, K. W. 4008
 Lowe, A. D. 2269, 3182
 Lowe, H. J. B. 2066, 2953, 3659, 4348, 7580
 Lowe, J. 2994
 Lowman, H. 2425, 4896
 Löytyniemi, K. 2177, 3051, 3769, 5675
 Lozzia, C. 6375
 Lu, P. Y. 4537
 Lubkowitz, J. A. 5783
 Luca, Y. de 218, 3258, 4424
 Lucas, B. A. 6821
 Lucchesi, J. C. 6514
 Luckmann, W. H. 1947, 2791
 Lucuik, G. S. 5040
 Lüders, W. 1623, 6591
 Ludlam, F. A. B. 3937, 5546, 5794
 Ludwig, K. A. 2794
 Luff, M. L. 651, 6631
 Luhanga, W. W. 900
 Lühl, R. 3136
 Lukefahr, M. J. 1331, 3709
 Lukeš, V. 429
 Lum, P. T. M. 566, 3381, 6225, 6261
 Lund, H. O. 6225
 Lunderstädt, J. 4407, 5275, 7123
 Lundgren, L. 7338
 Lundie, P. R. 3934
 Lung, Y. H. 1961
 Lunin, N. K. 6570
 Lusasi, I. M. 900
 Lüscher, M. 2739
 Luscher, M. 4237
 Lusk, C. I. 2305
 Lüthy, P. 466, 3141
 Lutton, G. G. 6044
 Lutze, G. 1000, 4522
 Lwanga, M. M. 900
 Lyamtseva, I. N. 5536
 Lydin, L. V. 7303
 Lynch, R. E. 951, 7244, 7245, 7485
 Lynch, S. M. 5411
 Lyneborg, L. 5848, 7006
 Lynn, D. E. 960
 Lyon, D. J. de B. 4982
 Lyon, J. P. 982, 6450
 Lyon, R. L. 520, 1664, 6821, 7433
 Lyons, C. H. 6964
 Lyons, L. A. 7430
 Lysenko, O. 1589
 Ma, E. P. 1851
 Ma, M. 6489
 Ma, Q. 2809
 Ma, W. C. 5904
 McAlpine, J. F. 3364
 Macarthur, R. H. 388
 Macaulay, E. D. M. 2052
 McBain, J. B. 1010
 McCafferty, W. P. 2362
 McCaffery, A. R. 1862, 4660, 4661
 McCalley, N. F. 4293
 McCallum Deighton, J. 6283
 McCambridge, W. F. 4446
 McCarthy, J. F. 3957
 McCarthy, W. J. 2211
 McClanahan, R. J. 1679, 6175
 McClean, A. P. D. 4912
 McClellan, W. D. 2840
 McClure, M. S. 3767
 McCluskey, E. S. 4765
 McCollister, D. D. 5156
 McConnell, D. B. 6203
 McCoy, C. W. 1431, 6358
 McCoy, J. R. 2083, 3426
 McCrae, A. W. R. 4287
 McCray, T. C. 1823
 MacCuaig, R. D. 1256
 McCutcheon, O. D. 4261
 McDaniel, B. 3988
 McDaniel, C. N. 6465
 MacDiarmid, B. N. 3191, 3192
 McDonald, F. J. D. 4007, 5855
 McDonald, L. L. 3930
 Macdonald, R. L. 760, 761
 McDonald, S. 2041
 McDonald, T. J. 1250
 McDonnough, J. H. 5241
 McDonough, L. M. 1113, 3319, 3916, 3925, 6925
 McDougall, W. D., III 4530
 Maček, J. 5435
 Maceljski, M. 3069, 3138, 4707, 6823
 McEwen, F. L. 378, 1658, 3565
 McFadden, M. W. 4120
 McFadden, T. L. 1441
 MacFarlane, J. R. 5434
 MacFarlane, N. R. 7627
 MacFarlane, R. P. 3550, 6003
 McGaughey, W. H. 3097, 3790, 4435, 5729, 7466
 McGovern, T. P. 760, 3927
 McGovern, W. L. 2203, 2406, 2563, 2711, 3551, 3711, 7058, 7059
 McGrath, H. J. W. 2073, 2850
 McGraw, J. R. 3032, 3033
 McGregor, D. A. 6510
 McGregor, H. E. 5053
 McGregor, M. D. 3211, 7434
 McHaffey, D. G. 7571
 Machain L., M. 2988
 Machain Lillingston, M. 2988
 Machin, A. F. 5202
 McIlveen, W. D. 6034

- McIntyre, R. C. 294,
4357, 6074
- Mackauer, M. 361, 862,
3473, 4178, 4224, 5977,
6906
- Mackay, A. G. 3187,
3188, 3194
- MacKay, K. P. 3255
- Mackay, P. A. 4025
- McKechnie, S. W. 4595
- McKellar, J. W. 38, 7049
- McKellar, R. L. 6985
- McKelvey, J. J., Jr. 4589
- McKenzie, J. A. 1814
- McKibben, G. H. 2406,
2993, 7058, 7059, 7567
- McKinlay, K. S. 1251
- McKinley, D. J. 1840
- McKnight, M. E. 183
- MacLachlan, D. S. 3830
- McLane, M. A. R. 3323
- MacLaren, R. B. 4258
- McLaughlin, J. R. 131,
1845, 2505, 4045, 4701
- McLean, D. L. 1214
- McLean, J. A. 4155, 5064
- McLeod, B. B. 916
- Macleod, D. M. 6890
- MacLeod, E. G. 803, 804
- Macleod, J. K. 41
- McLeod, J. M. 5452, 5682
- McMahan, M. L. 6609
- McManus, M. L. 2122
- McMillian, W. W. 7241,
7242
- McMurtry, J. A. 1917,
5339, 5576
- MacNay, C. G. 4425
- McNeil, J. 5201
- MacNeil, J. D. 4564
- McNeil, J. N. 482, 4875,
7658
- McNew, R. W. 3006, 4797
- McNutt, D. N. 343
- McPhail, D. D. 3190
- MacPhee, A. W. 7543
- McPhee, J. R. 5034, 6848,
6849, 6850, 6851, 7415
- Macpherson, G. 7519
- McPherson, J. E. 106,
732, 3382
- McPherson, R. M. 6026
- Macqueen, A. 4285
- MacQuillan, M. J. 4868,
4879, 6060, 6731
- McWilliams, J. M. 2572
- Madden, J. L. 2216, 3073,
6208
- Maddox, D. M. 3446
- Maddox, J. V. 475, 5608
- Maddrell, S. H. P. 7072
- Mader, M. E. 3918
- Madge, D. S. 5349
- Madhukar, B. V. R. 5337
- Madi, S. M. 7651
- Madjar, V. Melamed-
3131
- Madsen, B. J. 500, 6095
- Madsen, H. F. 2871, 5946
- Madubunyi, L. C. 21, 22
- Maeda, Y. 5796
- Maeta, Y. 839
- Magalhães Bastos, J. A.
936, 4766, 4768, 4892,
4893, 4943, 4944, 4945,
4946, 4947, 5243, 5574
- Magallona, E. D. 3886
- Magee, P. S. 1008
- Magnoler, A. 464, 496,
2221
- Mahadevan, N. R. 7384
- Mahadik, S. R. 3285,
5193, 5194
- Mahan, J. N. 6954
- Mahar, M. M. M. 2048
- Mahdi, M. T. 3797, 3798,
3799
- Maher Ali, A. 1039, 1040,
5254, 7614
- Mahieu, H. 3315
- Mahunka, S. 2607
- Mai, S. H. 2901
- Maia, J. C. S. 6582
- Maier-Bode, H. 3881
- Maik, L. 526, 3296, 3297
- Mailloux, G. 6079, 6080
- Mailloux, M. 4309, 5533,
5534
- Maini, P. 3953
- Maini, S. 7240
- Maison, P. 4455
- Maiti, B. B. 2033
- Maiti, B. K. 5055
- Maitlen, J. C. 3916, 6925
- Majda, A. 2277
- Majer, J. D. 2104, 7401,
7402, 7403
- Majumder, S. K. 1565,
3484, 6227, 6414
- Makarov, E. M. 6020
- Makarova, L. A. 659,
1189
- Makhmudkhodzhaev, N. M.
5455
- Maksimova, V. I. 7125
- Maksimović, D. 1343,
5754
- Maksimović, M. 2121,
3052, 3168, 5122
- Maksymiuk, B. 3169, 4408
- Maksymov, J. K. 3301,
4419
- Makusi, R. A. 510, 900
- Małachowska, D. 1926,
2039, 2745, 3568, 4748
- Malak, J. 4930, 5069
- Malan, E. M. 808
- Malawi, Department of
Agricultural Research
7685
- Mal'chenkova, N. I. 2595
- Malek, A. A. Abdel- 4082
- Malevez, N. 7520
- Malhotra, R. K. 4545,
6967, 7190
- Malicky, H. 1820, 2615,
4525
- Malik, A. A. 891
- Malik, M. M. 616, 1552,
2464, 2466
- Malik, N. K. 3561
- Malinowska, D. 185
- Malinowski, H. 2961
- Malipatil, M. B. 2671
- Malkerov, V. P. 6832
- Mallach, N. 928, 929, 930
- Mallet, V. N. 6391
- Mallikarjuna Rao, K. 454
- Malujlo, T. 5415
- Mamaev, B. M. 6593
- Mamalis, P. 5190
- Mamedov, Z. M. 6204
- Mameeva-Radeva, A. 5813
- Mammen, K. V. 2324
- Manchanda, A. H. 5781
- Mancilla Berganza, R. A.
3248
- Mane, S. D. 7054
- Mangum, C. L. 4994
- Mani, E. 1648, 1805,
4902, 5558, 7554
- Mani, M. S. 5831
- Maňksovská, B. 1812
- Mann, J. 6076
- Mannaert, M. Libion-
7070
- Mannall, H. G. 7220
- Mannesmann, R. 2738
- Manninger, G. A. 2619
- Manolache, C. 6917
- Manoukas, A. G. 666,
3229
- Mansell, W. M. 4572
- Mansingh, A. 1001, 5246
- Manske, D. D. 5140,
6951, 7646
- Mansour, F. 4890
- Mansour, M. H. 3707,
4110, 4358, 5767, 6424,
7201
- Mansour, M. M. 1669,
1670, 3668, 5067
- Mansour, N. 7653, 7654
- Mantaka, A.
Soultanopoulou- 3383

- Mantel, P. 1114
 Mantey, K. D. 4081, 4160
 Maquelin, C. 7162
 Marais, E. 5962
 Maramorosch, K. 132, 4451, 6035, 6768
 Marcarian, V. 308
 March, R. B. 1250, 5339
 Marchal-Ségault, D. 631, 2196, 3857
 Marchetti, L. 7306
 Marchiori, D. L. 4870
 Marco, S. 3807
 Marcoen, J. M. 7647
 Marcu, O. 7421
 Maréchal, L. R. 6471
 Maréchal, R. 7520
 Marei, A. S. M. 3274, 6987, 6988, 7654
 Margraf, K. 731
 Mariau, D. 1166, 1385, 1990, 3615, 4458, 5540, 7475
 Mariconi, F. A. M. 155
 Marimuthu, T. 2979
 Marino de Remes Lenicov, A. M. 3358
 Markese, J. 2441
 Markin, G. P. 2299, 2696, 3528, 3529, 4199, 5147, 5148, 5149, 6608
 Markkula, M. 974, 2273, 3546, 5451, 6592
 Markov, A. 511
 Markov, F. I. 6783
 Markovets, A. F. 6172
 Markovetz, A. J. 1144
 Markow, T. A. 4694
 Marks, R. J. 4983, 5905
 Marletto, F. 5933
 Marques, E. J. 6669
 Marro, J. P. 1404
 Marsh, D. 93
 Marsh, P. M. 1905
 Marshall, A. T. 2809, 4678
 Marshall, G. A. K. 3009
 Marshall, W. D. 6947
 Marston, J. M. 6578
 Marston, N. 3508
 Marston, N. L. 2056, 6780
 Martel, P. 877, 1513, 5474, 5476, 6359, 6798
 Martens, B. K. 3219
 Martens, P. H. 126
 Martin, D. F. 571, 3128, 3408, 6577, 6665, 6666
 Martin, F. A. 3867
 Martin, J. T. 1750
 Martin, M. M. 2694, 2695, 4198
 Martin, N. A. 1978, 2833, 2834, 7678
 Martin, R. 7600
 Martin, T. J. 3947
 Martineau, R. 5680, 5681
 Martinek, V. 2126
 Martinez-Lopez, G. 121
 Martínez, N. B. de 338
 Martinoya, C. 5291
 Martirosov, A. A. 5747
 Martorell, L. F. 2904, 7223, 7224, 7225
 Martouret, D. 5082
 Martyn, E. J. 2679, 2680, 7164
 Marumo, S. 7682
 Maruoka, N. 1354, 1355
 Marvasi, C. 7306
 Marwaha, K. K. 1946, 3593, 4841, 4842, 7248
 Marwitz, R. 2353
 Marxmiller, R. L. 1689
 Marzsó, L. Szalay- 5733
 Maschwitz, U. 5431
 Masih, A. M. E. Abdul- 4965
 Maskell, F. E. 3946, 5618, 7586
 Masner, P. 1741, 7084
 Mason, R. R. 3075
 Mason, W. A. 6972
 Mason, W. H. 578
 Mason, W. R. M. 193, 4599
 Massariol, A. A. 367
 Massey, W. B., Jr. 3706
 Masson, J. M. 548
 Mastri, C. W. 5197
 Mastro, V. C. 3764
 Masud, S. Z. 1824
 Masui, A. 4845
 Matanmi, B. A. 4461
 Mateeva-Radeva, A. 1682
 Mateias, M. C. 1980, 6705
 Materu, M. E. A. 510, 900
 Mathad, S. B. 2488
 Mathenge, W. M. 1892, 3021
 Mathew, K. P. 289, 1297, 2798, 4793, 4794
 Mathias, P. L. 5989
 Mathur, A. K. 6177
 Mathur, Y. K. 1890, 3697
 Mathys, G. 1642, 2641, 3875, 6933
 Matibet, M. Betbeder- 246
 Matkar, S. M. 7045
 Matolcsy, G. 5883
 Matolín, S. 5189, 7656
 Matovich, L. V. 2123
 Matowich, L. W. 2123
 Matsuda, K. 586, 605
 Matsui, M. 2445
 Matsuka, M. 5365
 Matsumoto, B. M. 1303
 Matsumoto, K. 3273
 Matsumoto, T. 3600
 Matsumoto, Y. 84, 586
 Matsumura, F. 4538, 5162, 5765
 Matsumura, S. 6433
 Matsuura, S. 5244
 Matsuyama, A. 1784
 Matsuzawa, H. 1886, 1887
 Mattes, K. C. 3461
 Mattheis, I. 1047
 Matthew, J. 5957
 Matthews, E. 5808
 Matthews, G. A. 389, 3485, 5178, 7507
 Matthiessen, J. N. 1469
 Mattraw, H. C., Jr. 7680
 Mattson, W. J. 3045, 3479, 6839
 Matuo, A. 7369
 Matz, G. 5414
 Mauch, A. 1617
 Mauchamp, B. 1775, 4028, 4029, 4667
 Maudsley, J. R. 7412
 Mauldin, J. K. 2426
 Mauléon, H. 2693
 Mauri, R. 2666
 Mavi, G. S. 3687
 Maw, M. G. 7214
 Maxwell, F. G. 3175
 May, B. M. 3605
 May, C. J. 838, 2375
 May, T. E. 1761
 May, Y. Y. 4282
 Mayas, I. A. 3230
 Mayer, M. S. 2409
 Mayfield, A. 2758
 Mayor, J. G. 5604
 Mayr, L. 3832, 5261
 Mayse, M. A. 5608
 Mayyasi, A. M. 2162, 5668
 Mazina, V. V. 7007
 Mazuranich, P. C. 1859
 Mazzini, M. 3379, 3437
 Mazzone, P. 6741
 Mboob, S. S. 5633
 Mead, D. W. 2378, 5576
 Mead, F. W. 655, 6657, 6807
 Mecci, A. K. 1334
 Medaiyedu, J. A. 7356
 Medina, F. J. Alonso de 1523
 Medina Gaud, S. 2143, 2904, 3717
 Medvedev, L. N. 7183

- Meehan, D. J. 4450
 Meer, R. K. Vander 4155
 Mees, G. C. 7628
 Megeed, M. I. A. 1148, 2467, 3899
 Megeed, M. I. Abdel- 79, 3348, 4359, 4976
 Mehl, R. 6852
 Mehra, B. P. 852
 Mehrotra, H. N. 6404
 Mehrotra, K. N. 1056, 1865, 2681, 7054
 Mehrotra, N. 2080
 Mehta, K. 1696
 Mehta, P. N. 364
 Meier, W. 3155, 3419, 5375
 Meigen, J. W. 7034
 Meinwald, J. 212, 5145
 Meisner, J. 1119, 2670, 3683, 3684, 4112, 4585, 4650, 6396
 Mejia-Baiggi, F. 7223, 7225
 Melamed-Madjar, V. 3131
 Meleshkevich, A. A. 7377
 Melges Walder, J. M. 75
 Mellado, L. 5132
 Mellado Z., M. 5489, 6043
 Mellish, E. A. 4158
 Mello, D. 2297
 Mello, D. de 3309
 Mel'nikov, O. A. 1219
 Meloan, C. E. 6972
 Menagem, E. 4456
 Menco, B. 1123
 Mende, F. 1000, 4521
 Mendoza, C. E. 123
 Mendoza, M. C. 4568
 Mendoza S., J. 709, 710
 Menier, J. J. 4272
 Menke, A. S. 5549
 Menn, J. J. 1009, 1010, 3162, 6940
 Menon, M. G. R. 2324
 Menschoy, A. B. 4970, 6779
 Menzer, R. E. 1058, 3909
 Mercer, C. F. 3196
 Merdan, A. 4459
 Merino S. S., E. 2707, 2708
 Merkel, E. P. 911, 5669
 Merkl, M. E. 7059
 Merle, P. du 4806
 Merritt, C. M. 4483
 Mertz, D. B. 1151
 Mery, C. 2229
 Mes, J. 3321
 Mescheloff, E. 4504
 Mespel, G. J. van der 2073
 Messenger, P. S. 2254, 3176, 3177, 3178, 4589
 Messsthaler, H. 2552
 Mészáros, Z. 2613, 2614
 Metcalf, R. L. 523, 1128, 4537, 5771, 7642
 Metcalfe, A. M. 1168, 1915
 Metner, D. A. 915
 Metsuda, M. 5394
 Metwally, A. 2925
 Metwally, A. A. 1448, 3658, 3661
 Metwally, A. G. 899, 3002, 3702, 3703
 Metwally, A. M. 4205, 4206
 Metwally, M. M. 610, 1156
 Metwally, S. M. I. 3589, 4836
 Metz, L. J. 2669
 Metzger, R. 1660
 Meyer, D. H. 4039
 Meyer, H. J. 46
 Meyer, J. R. 5907
 Meyer, R. H. 4017
 Meyer, R. W. 7161
 Meyer, W. 5773
 Meyer, W. L. 4039
 Meynadier, G. 3825
 Mezzomo, M. C. 1457
 Mhasalkar, S. E. 5190
 Michalska, Z. 175
 Michalski, J. 1300, 1885
 Micheal, S. M. 1016
 Michel, H. G. 1616
 Michel, R. 1858
 Michelakis, S. 6130
 Michna, J. 5017
 Micieli de Biase, L. 6746
 Miciński, B. 226, 4821
 Mick, D. L. 4578
 Miczulski, B. 2677, 2772, 2773, 2774
 Middlelem, C. H. Van 6980
 Middlekauff, W. W. 426, 2176
 Midwinter, H. J. 3504
 Miermont, Y. 6021
 Migula, P. 39
 Mihalache, G. 2141, 2206
 Mijares, J. 4385
 Mijušković, M. 850, 4326
 Mikhailov, S. 272
 Mikhaïlova, N. A. 2780
 Mikkola, K. 5343
 Mikołajczyk, W. 2838
 Miksiewicz, M. 374, 514, 2955
 Mikuni, T. 7500
 Milaire, H. G. 3874, 6733, 7535, 7548
 Miles, J. R. W. 3889
 Miles, L. R. 3553, 6666
 Milheiro, A. D. V. 1535
 Millemann, R. E. 1051
 Miller, D. 3211
 Miller, D. J. 1927
 Miller, D. L. 3047
 Miller, D. R. 6702
 Miller, D. S. 2313, 5204
 Miller, J. D. 3120
 Miller, L. L. 3328
 Milles, K. 2659
 Millot, P. 3170
 Mills, G. D., Jr. 3102
 Mills, K. A. 3793
 Mills, R. B. 3088, 5915, 6681
 Milne, D. L. 3018, 4327
 Milner, R. J. 467, 6044
 Miloserdova, V. D. 3126
 Milstead, J. E. 470, 1320, 2110, 2209, 2210, 7484
 Minard, R. D. 1706
 Minasyan, M. E. Ter- 6613
 Minder, I. F. 2481, 6530
 Mine, H. 5582
 Mineo, G. 6551
 Miner, F. D. 997
 Minett, W. 3878, 6252, 6864
 Ministry of Agriculture and Rural Economy, Solomon Islands 3976
 Ministry of Agriculture, Cyprus 6740
 Ministry of Agriculture, Fisheries and Food, Agricultural Development and Advisory Service 545
 Ministry of Agriculture, Fisheries and Food, United Kingdom 876, 2043, 2691, 2956, 4181, 4194, 4352, 4749, 4763, 6302
 Ministry of Agriculture, Israel 3975
 Ministry of Agriculture, Northern Ireland 5978
 Ministry of Overseas Development, United Kingdom 6605, 6740, 6968
 Minkov, M. 2022
 Minks, A. K. 101, 1069, 3631, 4903, 7558
 Minnick, D. F. 4502
 Minoiu, N. 5572

- Minor, A. V. 5289
 Minoranskii, V. A. 5612
 Minshawy, A. H. El- 4092
 Minshawy, A. M. El- 1381, 7033, 7283, 7284
 Minyailo, V. A. 5265
 Minyard, J. P., Jr. 1650
 Miosga, V. 5384
 Miré, P. Bruneau de 1494
 Mirna, A. 5779
 Misari, S. M. 5609
 Misener, R. L. 1691
 Mishchenko, A. A. 6220
 Mishina, L. K. 5997
 Mishra, R. C. 2873
 Mishra, R. K. 4873
 Mishra, U. K. 7373
 Misra, B. 4330
 Misra, B. C. 4864, 5512, 7564
 Misra, B. P. 6861
 Misra, D. S. 1037
 Misra, M. P. 151, 7438
 Misra, S. D. 159
 Misra, S. S. 4874, 6199
 Misra, U. S. 7265
 Missonnier, J. 2652, 2957, 2964
 Miszczak, M. 1106
 Mitchell, B. K. 589, 1184
 Mitchell, B. L. 4966
 Mitchell, E. B. 3711, 4362, 6191
 Mitchell, E. R. 131, 2415, 3670, 4045, 4047, 4170, 4175, 4701, 4725
 Mitchell, H. C. 2563, 3711
 Mitchell, J. C. 4733
 Mitchell, R. 4448
 Mitchell, W. 6401
 Mitchell, W. G. 5146
 Mithyanthia, M. S. 4156
 Mitić-Mužina, N. 5045, 5479
 Mitkov, A. 3873
 Mitlin, N. 119, 601, 617, 4795, 6474
 Mitra, S. K. 6643
 Mitri, S. H. 3895, 4974, 4975
 Mitrofanov, V. I. 1399, 3360, 6815
 Mitsuhashi, H. 5338
 Mitsuhashi, J. 4097, 5876, 5922, 6329
 Mittal, P. K. 7102
 Mittler, T. E. 1836, 4178, 4621, 5896, 5963, 7043
 Miura, T. 3173
 Miyahara, Y. 615, 5823
 Miyajima, H. 7454
 Miyake, T. 7612
 Miyamoto, J. 621, 3911, 3912, 3913, 3914, 5161
 Miyashita, K. 662, 4023
 Miyata, T. 2282
 Miyatake, Y. 1077, 1078
 Miyazaki, M. 2753
 Mizuta, H. M. 524
 Mochida, O. 568, 615, 733, 5313
 Modder, W. W. D. 1568
 Moed, A. 2827
 Moens, P. 3371
 Moericke, V. 5345
 Moffett, C. L. 4579
 Moffett, J. O. 2700, 5075
 Moffitt, H. R. 346, 3107, 3925, 6925, 7303, 7372
 Moghaddam, H. D. 5195
 Möglich, M. 5431
 Mohamed, M. A. 6493, 6494
 Mohamed, M. I. 3602, 3603
 Mohan, J. C. 4857
 Mohan, M. S. 454, 4433
 Mohan, N. J. 5429
 Mohan Rao, H. N. 1549
 Mohanasundaram, M. 1200, 1847, 2113, 7363, 7406
 Mohansaundaram, M. 3730
 Moilanen, K. W. 5163
 Moilliet, T. K. 6101
 Moini, M. 5587
 Moiseeva, T. S. 6767
 Moiz, S. A. 1332
 Moizuddin, M. 7035
 Moldenke, A. F. 6511
 Moldovan, M. Ya. 7399
 Moleva, I. 1994
 Möller Andersen, N. 1716
 Möllerström, G. 5614
 Molnár, J. 4307
 Momoi, S. 779, 1094, 1286, 3841, 3843
 Mon, T. R. 1005
 Monaco, R. 1406
 Monadjemi, N. 5914
 Monaghan, C. F. 4560
 Mondal, A. K. 394
 Mongolkiti, S. 170
 Monitoring Panel, Federal Working Group on Pest Management 3486
 Monllor, A. Cortés- 2187
 Monroe, J. M. 5112
 Monte, G. dal 3261
 Monteiro Guimarães, J. A. 1545
 Montfort, N. Lenelle- 7070
 Montgomery, K. 5212
 Montgomery, V. E. 2725
 Montoya, P. 2885
 Moody, R. 2994, 4341
 Moor, F. C. de 1247
 Moore, F. J. 6380
 Moore, G. C. 6162
 Moore, I. 138, 4014, 4784
 Moore, L. 6374
 Moore, R. W. 3186
 Moore, S. 1517
 Moore, S. G. 1977
 Moorhouse, J. E. 1863, 2685, 4757, 5419
 Morachan, Y. B. 4846
 Moradeshaghi, M. J. 3150
 Morales Agacino, E. 95
 Morales, J. 1934, 1935
 Morales Sánchez, J. 1934, 1935, 2001
 Morallo-Rejesus, B. 1025
 Moran, V. C. 4911
 Moratorio, M. S. 5404
 Mordue, W. 4068
 Moreau, J. P. 217, 2190, 3204
 Moreau, R. 35, 1754, 3287, 4626
 Moreira, M. I. S. 1542, 1543, 1544
 Morel, G. 3825
 Morel, P. 4837
 Moreland, D. E. 1686
 Moreno, D. S. 2365
 Moreno, R. 6751
 Morey, G. D. 4871
 Morgan, C. V. G. 500, 3859, 6095
 Morgan, E. D. 738, 742
 Morgan, H. G. 2257
 Morgan, L. W. 2923
 Morgan, M. E. 412, 2449, 4391
 Morgan, M. R. J. 739, 1864, 3524, 5866
 Morgan, N. G. 3165, 5569, 7504, 7508, 7513, 7526, 7687
 Morgante, J. S. 1585
 Morge, G. 7034
 Morgunova, M. A. 5613
 Mori, H. 981, 2714, 3835, 3840, 7523
 Mori, K. 2445
 Moriarty, F. 3335, 4572, 7532
 Morihara, D. K. 3988
 Morikawa, M. 5801
 Morillo, C. 2469, 3641
 Morillo, J. 342
 Morin, C. 5473, 5475
 Morin, J. P. 1166

- Morisaki, M. 7053
 Moriya, K. 7455
 Moriya, S. 1959, 5517, 5796
 Morrill, W. L. 1867, 2581, 3861, 5523, 6045
 Morris, O. N. 3292, 3293, 5671, 7428
 Morris, R. F. 3743
 Morrison, R. D. 319, 6715, 6716
 Morrison, R. H. 6052
 Morrison, R. K. 3507, 3698
 Morrison, W. P. 2839
 Morrissey, R. E. 7110
 Morton, H. L. 2700
 Morton, N. 4377, 4981, 5221
 Morton, T. C. 7089
 Moser, J. C. 748, 2478, 3386, 3556
 Mosher, D. G. 3745
 Mosievskaia, L. M. 6020
 Mosquera Paris, F. 5532
 Mossahebi, G. H. 4948
 Mostafa, A. R. 1907
 Motal, Z. 2121
 Mote, U. N. 6071, 6072, 6176
 Motoyama, N. 1653
 Mott, D. G. 996
 Mouchart, A. 6733
 Moulins, M. 592
 Moulton, T. P. 1693
 Mounce, L. M. 4530
 Mound, L. A. 5827
 Mourad, A. 3231
 Mourão, H. C. 4562
 Mourer, C. 2857, 5786
 Mourikis, P. A. 2654, 4913
 Moussa, A. A. 4080
 Moussa, M. E. 7033
 Moussion, G. 2018
 Moustafa, M. A. 5531
 Moustafa, M. A. K. 2765
 Moustafa, S. H. 5179, 5180, 5181, 5182
 Moutous, G. 1993
 Mowat, D. J. 499, 4288, 4289, 4333
 Mowery, P. D. 329
 Mowlam, M. D. 4501, 4983, 7507
 Moyer, H. A. 1825
 Mozolevskaia, E. G. 6841
 Mrak, E. M. 3340
 Muchamp, B. 5258
 Mueller, A. J. 2938, 6162
 Muesebeck, C. F. W. 1720, 6024
 Muggleton, J. 2401
 Mukerjee, M. K. 5830
 Mukerji, M. K. 823, 2837, 7173
 Mukharji, S. P. 1037, 4552
 Mukherjee, B. K. 7248
 Mulder, R. 3960
 Mulhern, B. M. 6410
 Mulkern, G. B. 170
 Mullen, M. A. 1192, 6225, 7119
 Müller, D. 2785
 Müller, F. 2659
 Müller, F. P. 1180, 2359, 2370, 2608, 3723
 Muller, H. J. 4097
 Müller, H. W. K. 3583
 Muller, I. 3115
 Müller, K. O. 1985
 Müller, O. 7299
 Müller, W. 4321
 Müller, W. P. 7645
 Mulloney, B. 6596
 Muma, M. H. 4186, 6430, 6616
 Mumma, R. O. 1779, 3059, 4629, 4630, 4641, 4735
 Mummery, R. 2402, 6509
 Munakata, K. 3347
 Mundaca B., N. 1379, 4881
 Municio, A. M. 1066, 1067
 Muniyappa, V. 6155
 Munroe, E. 5343
 Munshi, G. H. 1332, 1334
 Munshi, S. K. 5890
 Münster, J. 2071, 6787
 Murai, M. 112, 113, 2557
 Murakami, Y. 1894, 3851, 5101, 5366
 Muraleedharan, N. 2676
 Murata, K. 7612
 Muratović, S. 4591
 Murbach, R. 2261, 3627, 3862, 4837
 Murdoch, G. 5411, 7407
 Murdoch, W. W. 4491
 Murphey, M. 780
 Murphy, H. J. 3681
 Murray, W. S. 3970
 Murtas, I. D. de 3216
 Murtaza, M. 1338, 5998
 Murthy, K. S. R. K. 4861, 7263
 Murthy, K. V. K. 4844
 Murthy, M. M. K. 3576
 Murthy, N. B. K. 518
 Murugesan, M. 887
 Murugesan, S. 887
 Murvanidze, M. Ya. 7325
 Muşet, D. 6662
 Musgrave, C. A. 2332, 6756
 Musick, G. J. 3591
 Mussillon, P. 6712
 Mustafa, S. 3375
 Mustakas, G. C. 1692
 Mustea, D. 1353, 1837, 2769, 2796, 4716
 Muthaiyan, M. C. 3571
 Muthu, M. 3484, 4544, 4575, 5799
 Muthukrishnan, P. 6341
 Muthusamy, S. 814
 Muto, T. 605, 1071
 Mužina, N. Mitić- 5045, 5479
 Myburgh, A. C. 1500, 4387, 5938, 5946
 Myers, H. S. 5880
 Mynhardt, M. J. 1279
 Myshachkov, G. A. 6168
 Nachev, N. 7365
 Nachev, P. 7296
 Nachiappan, R. 3495
 Nachtigall, W. 6596
 Nadarajan, L. 6640
 Nadel, D. J. 5133
 Nadkarni, G. B. 6473
 Nadkarni, P. 4277
 Nagaarashi, D. 4271
 Nagahama, M. 1894
 Nagai, H. 7369
 Nagamine, M. 262, 1933
 Nagarkatti, S. 233, 311, 1882, 5843
 Nagarkatti, Sudha 1882
 Nagasawa, S. 1519, 1794, 5573
 Nagasawa, W. 1155
 Nagata, T. 1959
 Nagatomi, A. 815, 3846
 Nagel, W. P. 4802
 Nagendran, C. R. 6654
 Nageshachandra, B. K. 3634
 Nageshchandra, B. K. 1478
 Naguib, M. A. 3501
 Nagy, B. 2621, 3250
 Nagy, C. G. 3993
 Nahal, A. K. M. El- 1668, 3787, 3788
 Naheed, R. 2913
 Naidu, B. S. 7274
 Naidu, M. B. 5894
 Naidu, R. 145
 Naik, B. N. 4038
 Naik, L. M. 3644, 6169
 Naik, S. L. 2361
 Nail, B. J. 617

- Naime, R. M. Johnsen 902
- Nair, C. P. R. 2010, 3029, 6030
- Nair, K. R. 233, 1278
- Nair, K. S. 831
- Nair, K. S. S. 378, 3565
- Nair, M. R. G. K. 344, 829, 830, 1026, 2291, 3029, 3290, 3291, 3783
- Nair, N. G. 344
- Nair, R. R. 3720
- Nair, S. M. 5068
- Naito, A. 2753
- Nakada, E. 4013, 7452
- Nakada, T. 7092
- Nakagawa, S. 2568, 3506
- Nakamori, H. 747
- Nakamura, E. 5260
- Nakamura, K. 633, 662, 3600
- Nakamura, M. 3600
- Nakamura, Y. 177, 1976, 5525
- Nakano, O. 4939
- Nakao, S. 3850
- Nakao, S. I. 339, 7460
- Nakashima, M. 5636
- Nakashima, T. 4401
- Nakashima, Y. 5690
- Nakasugi, F. 1473, 1970, 2808
- Nakasuka, M. 462
- Nakat, S. S. 858
- Nakatsugawa, T. 6916
- Nakayama, I. 1155, 1794
- Nakazawa, H. 3147, 3149
- Nakonechniy, V. I. 1874, 1875, 1878
- Nalbandyan, R. A. 5822
- Nam, L. Y. 288
- Nam To, W. 2235
- Namba, R. 5589
- Namba, T. 6689
- Nankai University 2811
- Nanne, H. W. 2905
- Nantung Institute of Agriculture 2577
- Napompeth, B. 1241
- Nappi, A. J. 2717, 4035, 4451, 4479
- Naqvi, A. H. 852
- Naqvi, S. N. H. 2038
- Narafu, T. 7456
- Narain, S. 4091
- Narayanan, K. 1591, 2227, 3125, 6342, 6343
- Narayanasamy, P. 2049, 2930, 4866
- Narendran, T. C. 12, 1087, 3614
- Narkiewicz-Jodko, J. 2918, 6757
- Narula, J. S. 1735
- Narzikulov, M. N. 386, 6792
- Nascimento Aquino, M. de L. 2005
- Nasr, A. E. Aboul 5254
- Nasr, E. S. A. 3466
- Nasr, H. A. 2439
- Nasr, S. Abul- 178, 179, 3501
- Nasr, S. E. Abul- 3780
- Nasreddinov, Kh. A. 5826
- Nasrullaev, D. N. 6182
- Nassif, F. M. 3466
- Nast, J. 7133
- Nasu, S. 462, 2185, 3123, 3124, 3496
- Natarajan, U. S. 820
- Nath, D. K. 2031, 3080
- Nath, G. 4378
- Nath, V. 7102
- Nation, J. L. 1140, 5270, 5310
- Naton, E. 5209
- Natskova, V. 1499, 1504
- Nault, L. R. 600, 3112
- Naum, A. 6917
- Naumann, M. G. 4204
- Naumenko, A. T. 506
- Navarajan Paul, A. V. 5464, 5632
- Navarro, S. 1002, 2420, 6258
- Navavichit, S. 3595
- Naves, M. A. 4197
- Navon, A. 138
- Navvab Gojrati, H. A. 3238
- Nawrocka, B. Z. 4925
- Nawrot, J. 1799, 5063
- Nayar, N. M. 144
- Nazmy, N. H. 899
- Neal, J. W., Jr. 3606
- Neal, R. B. 5024
- Neamy, I. K. Al- 4965
- Neary, M. E. 3564
- Neciosup G., M. A. 1244
- Nedyalkov, K. 1999
- Needham, P. H. 3959, 4559, 5191, 7575, 7576
- Neel, W. W. 3824, 6483
- Neely, D. 3737
- Neemann, E. G. 6566
- Nef, L. 1526
- Negm, A. A. 235, 5412
- Nehring, N. L. 6989
- Neilson, W. T. A. 1420, 2483
- Neisess, J. 1521, 3169, 4408
- Nel, J. J. C. 808
- Nelson, D. R. 2417
- Nelson, H. D. 5715, 5716
- Nelson, J. O. 4538
- Nelson, L. R. 6045
- Nelson, R. D. 522
- Nelson, S. O. 2484, 6257
- Nemec, P. 227, 4549
- Némec, V. 2428, 4034
- Nemny, N. E. 1666, 7570
- Nemoto, H. 962, 5734
- Nemoto, M. 461
- Nereuță, O. 1027
- Nesbitt, B. F. 599, 2407, 3256, 4070, 5268, 5871
- Nesbitt, J. Noble- 1150
- Neser, S. 5937
- Neto, S. Silveira 281, 694, 4700
- Nettles, W. C., Jr. 784, 3281
- Neuenschwander, P. 1188, 5528
- Neuffer, G. 1634, 3208, 6086
- Neunzig, H. H. 1725
- Neurrer, H. 1618
- Neury, G. 6117
- Neve, R. A. 3967
- New, L. L. 4357
- New, T. R. 5
- New Zealand, Department of Scientific and Industrial Research 3972
- New Zealand Forest Research Institute 5219
- New Zealand Forest Service 5004
- Newkirk, R. A. 2325
- Newman, G. G. 1590, 3127, 3821
- Newman, J. F. 7561
- Newsom, L. D. 766, 3674, 4589, 6609
- Newton, C. M. 5024
- Newton, J. R. 2880, 4904, 6114
- Ng, K. W. 1991
- Nguyen Ban, J. 1237, 3721
- Nguyen Ru 780
- Nguyen, T. X. 2763, 2764
- Ni, C. H. 809
- Nichigaki, J. 7046
- Nichols, M. P. 2791, 2839
- Nichols, P. R. 6483
- Nickerson, J. C. 3534, 4197
- Nickerson, P. R. 6402, 6403

- Nicklas, B. 1626
 Nicolaescu, N. 6917
 Nielsen, B. O. 2130, 2131
 Nielsen, D. G. 1739, 2413
 Nielson, M. W. 838, 1378,
 1985, 2375, 6708
 Niemczyk, E. 2875, 5436,
 7540
 Niemczyk, H. D. 1739,
 4284, 4883, 6078
 Niemeyer, H. 5684
 Nienhaus, F. 6594
 Niessen, H. 1613, 3268
 Niewiadomska, A. 6970
 Nigeria, Federal
 Department of
 Agricultural Research
 6051
 Nigeria, International
 Institute for Tropical
 Agriculture 6968, 6992
 Nigitz, H. P. 3056, 4998
 Nijhout, H. F. 2379, 5303,
 7081
 Nijveldt, W. 1248
 Nikada, E. 7451
 Nikishina, E. S. 1167
 Nikitenko, V. F. 7441
 Nikitin, M. I. 6618
 Nikkhoo, F. 7254
 Nikolov, N. 152
 Nikolova, D. 7292
 Nikol'skii, V. I. 7442
 Niku, B. 5332
 Nikulina, S. S. 3325
 Nilakantan, G. 6416, 7664
 Nilakhe, S. S. 6609
 Nilova, G. N. 6920
 Nilpanit, P. 3595
 Nilsson, B. 6909
 Nilsson, C. 5596
 Nishida, T. 1241, 4215,
 4386, 4993
 Nishigaki, J. 1819
 Nishiitsutsuji-Uwo, J.
 2223, 4069, 4473, 6894
 Nishijima, Y. 5840
 Nishimura, M. S. 4069
 Nishiyama, K. 6689
 Nissim, S. 1075
 Nitzany, F. E. 6324
 Nix, H. A. 5112
 Nixon, G. E. J. 5230
 Nizi, G. 4445
 Njio, K. D. 1114
 Noble-Nesbitt, J. 1150
 Noda, H. 2387
 Noda, M. 5517
 Nøddegaard, E. 5400
 Noël, J. Roy- 3559
 Nogami, R. 1886, 1887
 Nogami, T. 5636
 Noguchi, H. 63, 603
 Noguchi, Y. 1354, 1355
 Nogueira, C. D. S. 1505
 Nohara, K. 339, 3173,
 3850
 Nomura, K. 3199
 Nonveiller, G. 4272
 Noordink, J. P. W. 3968,
 5135
 Noorlander, J. 3968, 5135
 Nord, J. C. 7425
 Nordblom, G. D. 3328
 Nordby, A. 5544
 Nordin, G. L. 475, 2212,
 3130, 7482
 Nordlander, G. 7464
 Nordlund, D. A. 191,
 4505, 4506
 Nordlung, D. A. 635
 Norgaard, R. B. 5965
 Norman, J. W. 7395
 Norman, P. A. 2892, 5585
 Norris, D. M. 46
 North, D. T. 4839
 North Dakota Agricultural
 Experiment Station
 7174
 North, H. H. 1058, 3909
 Northcote, T. G. 6981
 Northern Ireland, Ministry
 of Agriculture 5978
 Norton, P. W. 2208
 Norton, R. A. 2604
 Norton, S. J. 6953
 Norton, W. N. 4202
 Notz P., A. 209
 Novac, N. 847
 Novák, I. 2617, 4099
 Novák, V. 5885
 Novák, V. J. A. 3416,
 4061
 Novitski, E. 6514
 Novopashina, R. F. 5488
 Novozhilov, K. V. 5875
 Nowacka, W. 1335, 5590
 Nowock, J. 53
 Nozato, K. 3044
 Nunberg, M. 4150, 6555
 Nündel, M. 5384
 Nussbaum, P. 5606, 5717
 Nutsugah, D. 6455
 Nuzzaci, G. 399, 407
 Nwanze, K. F. 2932,
 2933, 3667, 3790
 Nye, D. E. 6973
 Nye, I. W. B. 3999
 Nyiira, Z. M. 364
 Nyirenda, G. K. C. 4501,
 4983
 Oakes, A. J. 4516
 Oatman, E. R. 479, 2200,
 5843, 7311
 Obana, S. P. 6747
 Obarski, J. 2050, 2067
 Oberlander, H. 539, 1134,
 1137, 1773, 6294
 Oblisami, G. 6144
 O'Brien, C. W. 6658
 O'Brien, R. D. 4531, 6388
 O'Connor, B. P. 3188
 O'Connor, M. 2319
 Öden, T. 7565, 7566
 Odier, F. 6347
 O'Donnell, M. S. 7582
 Odriozola, J. M. 1067
 Oester, P. T. 4107
 Oetting, R. D. 2476
 Oever, H. A. M. van den
 730
 Ogata, J. N. 7665
 Ogawa, J. M. 5554
 Ogawa, S. 5795
 Ogunwolu, E. O. 4283
 Ogura, K. 7057
 Ogura, N. 50, 5869, 7041,
 7068
 Ohba, M. 3826, 3827,
 3828, 3829
 Ohbayashi, N. 603
 Ohinata, K. 3432, 3433,
 4507, 5130
 Ohizumi, Y. 4062, 5260
 Oho, M. 3149
 Oho, N. 3147, 3842
 Ohsawa, A. 4473
 Ohsawa, T. 531
 Ohtaki, T. 1130
 Ojeda P., D. 677, 1244
 Ōka, I. N. 280
 Okada, I. 5365
 Okada, T. 733, 1960, 2245
 Okakura, T. 5703
 Okáli, I. 4152
 Okamoto, D. 2803
 Okamoto, H. 787, 1285
 Ōkawara, M. 7068
 Oku, T. 433, 560, 562,
 839, 869, 870, 871, 872,
 873, 874, 875, 2668,
 4880
 Okuno, Y. 3913
 Okuyama, S. 2810
 Oldfield, G. N. 3118, 5722
 Oleshchenko, I. N. 57,
 5398
 Oliger, M. I. 6322
 Oliveira, C. A. L. de 1486,
 6796
 Oliveira, G. M. F. 6582
 Oliveira, J. V. de 4767,
 5381
 Oliveira, M. H. C. C. de
 2004, 2005
 Oliver, C. P. 6514

- Olivier, D. 35
 Ollagnier, M. 4452
 Olmert, I. 7496
 Olmi, M. 7206
 Olney, C. E. 5211
 Oloffs, P. C. 6981
 Olorode, O. 1254
 Oloumi-Sadeghi, H. 2411, 5499
 Olson, J. K. 5990
 Olson, L. C. 484, 2789
 Olson, W. H. 1413, 2513, 4304
 Olszewski, T. 2677
 Olu Aina, J. 1456
 Olufade, A. O. 3384, 4268
 Oma, E. A. 473, 5085
 Omana, M. M. 1026
 Omer, A. E. M. 7653
 Omi, E. M. 472, 2231, 6338
 Omino, T. 632, 4095
 Ōnal, G. 7663
 Onazi, O. C. 4267
 Ōncüler, C. 1427, 5104, 5105, 6131
 Ondráček, J. 1135, 6501
 O'Neal, J. 2696, 3528, 3529, 4199, 4994, 6608
 Ong, C. A. 2189
 Ong, S. H. 1644
 Öngören, K. 2965, 6602
 Onillon, J. 1305, 5099, 6123, 6127
 Onillon, J. C. 5099, 6123, 6128, 7547
 Ono, T. 339
 Onogi, S. 3597
 Onsager, J. A. 377, 1113, 1818, 6565
 Onufreichik, K. M. 6010
 Ooi, A. C. 7269
 Ooi, A. C. P. 861, 4849
 Oomen, P. A. 4249
 Oonchitrawattana, T. 3179
 Opitz, K. W. 4914
 Opler, P. A. 2135
 Oppenlander, K. L. 5493
 Oppenoorth, F. J. 5790
 Opyrchalowa, J. 1394, 2951
 Orchard, I. 1764
 Orchard, R. D. 4408
 Ordish, G. 5742
 Organisation Européenne et Méditerranéenne pour la Protection des Plantes 6926
 Organisation Internationale de Lutte Biologique 972, 5095, 5113, 6120, 7310, 7530, 7684
 Ori, M. 2718
 Orion, T. 2376
 Orlando, A. 345
 Orozco, F. 3454, 3455
 Orphanides, G. M. 5537, 5538
 Ortega C., A. 681, 682
 Ortega Cantero, B. 3830
 Orth, R. A. 3878
 Orth, R. E. 4784
 Ortiz, E. 1161
 Ortiz P., M. 676, 1092, 1245, 1246
 Ortman, E. E. 2791
 Ortwein, L. 4350, 4351
 Osada, M. 1816, 4133
 Osborn, A. W. 240, 254, 261
 Osborn, J. A. L. 1301
 Osborne, G. O. 541, 4584
 Osborne, W. B. 3940
 Oschmann, M. 2790
 Oshima, K. 1454, 5703
 Osler, H. 7293
 Osler, R. 7250, 7481
 Osman, A. A. 3662, 3693, 4355, 5986, 6935
 Osman, O. A. 1381
 Osoreo, V. M. 4361
 Osorio, J. M. 1934
 Osorio Rojas, J. M. 1934, 2001
 Ost, R. W. 142
 Ostaff, D. 4816
 Ostafichuk, V. G. 2627
 Ostafitschuk, V. G. 2627
 Ostarihild, H. 1627
 Osten Sacken, C. R. 1731
 Ostmark, H. E. 4918
 Ostojić, N. 1671, 4262, 5151
 Ostroukhov, M. A. 5932
 Osuji, F. N. C. 1533, 1534, 4118, 4426, 4427, 5700
 O'Sullivan, D. F. 903, 1388, 5500
 O'sváth, J. 6381
 Ōtake, A. 140, 629, 640, 669, 670, 671
 Ōtake, T. 124
 Ott, D. E. 3883
 Ott, M. Schmidt- 1625
 Otte, D. 6611
 Ouchi, Y. 5408
 Ouda, N. A. 3245
 Ouellete, G. B. 5038
 Overby, J. E. 6308
 Overmeer, W. P. J. 986, 4075, 4546, 6378
 Owens, J. C. 2788, 3592, 6366
 Owusu, G. K. 944
 Oyama, M. 98, 140, 629, 640, 669, 670, 671, 1747, 5872
 Oyidi, O. 1855, 5422, 5424
 Ozaki, K. 2806, 4541
 Ōzar, A. İ. 6858, 6871
 Özkan, M. 3316
 Özturk, S. 6859
 Paarmann, W. 5879
 Pableo, G. O. 883
 Pablo, S. J. 859
 Pace, A. E. 4709
 Pacheco, J. M. 3236
 Pacheco W., J. C. 699
 Pactl, J. 6046
 Padgham, D. E. 6500
 Padma, R. 1502
 Padmanaban, R. 4991
 Padmanabhan, C. 907
 Padmanabhan, M. D. 885
 Paetzold, D. 1419
 Page, M. 520, 7433
 Paguia, P. 7084, 7085
 Paik, J. C. 3361
 Paik, W. H. 1879
 Pajni, H. R. 3664, 3782, 7025, 7036, 7099
 Pal, R. N. 5890
 Pal, S. K. 159, 3558, 5584, 6595
 Palade, X. Scobiola- 2631
 Palaniswamy, P. 836, 837, 1044
 Palaniswamy, S. 6634
 Palevitch, D. 4456
 Palgrave, J. A. C. 813
 Paliū, V. F. 6429
 Pallos, F. M. 3162, 6940
 Palm, T. 7146
 Palmer, J. M. 408, 1202, 1973
 Palmowska, J. 2838
 Pałosz, T. 515
 Pan, M. L. 7051
 Pan, Y. C. 252
 Panchabhavi, K. S. 5520
 Panda, N. 1357
 Pande, Y. D. 2605
 Pandey, B. N. 7221
 Pandey, N. D. 1564, 3406
 Pandey, P. N. 3438, 4334, 4378, 4379, 5903, 6154
 Pandey, R. C. 1436
 Pandey, S. N. 4873, 4958
 Pandey, S. Y. 7677
 Pandian, T. J. 4779
 Panfilova, A. N. 6774
 Pangaldan, R. 3503
 Pangga, G. A. 859
 Panis, A. 2722, 5108, 6140
 Pankanin, M. 23, 4216

- Pant, N. C. 4089, 6770,
6873, 6976, 7657
- Pantle, C. 7073
- Panudju, P. 713, 714, 718
- Panwar, V. P. S. 1946,
3593, 4841, 4842, 7248
- Papillon, M. 1860
- Papp, J. 2012, 2632, 4211
- Pappas, S. 6129, 6552,
6626
- Papworth, D. S. 5174,
6317
- Paradis, R. O. 2848, 2851,
5533, 5534, 7312
- Parameswaran, S. 6187
- Parameswarappa, R. 2940
- Paredes, P. P. 338
- Parencia, C. R., Jr. 4102
- Parent, B. 2882, 4313,
5533, 5534, 5741
- Parham, P. H. 7606
- Parihar, D. B. 4436
- París, F. Mosquera 5532
- Paris, S. 6345
- Park, C. S. 4132
- Park, J. S. 825, 1361,
3278, 7262
- Park, K. E. 5293
- Park, S. H. 1827, 3310
- Parker, B. L. 129, 288,
3931
- Parker, E. J. 2156
- Parker, G. A. 737
- Parker, N. J. B. 4177
- Parker, R. D. 7395
- Parlar, H. 4535
- Parmentier, C. 4512
- Parr, W. J. 979, 6151,
7583
- Parrott, W. L. 5336
- Parry, W. H. 6216
- Parshina, E. Yu. 6827
- Partida, G. J. 1160, 3249,
3790, 5915, 7097
- Partridge, A. D. 3047
- Partridge, I. J. 447
- Pasalu, I. C. 1532, 5046,
5047
- Paschalides, C. 2663
- Paschalidis, K. M. 557
- Paschke, J. D. 4451
- Pascoe, R. 5411
- Pase, H. A., III 5667
- Paşol, P. 6917
- Pasqui, L. A. 2173
- Pass, B. C. 1372, 1373,
2734, 2839
- Passlow, T. 4738
- Pasuki, A. 3978
- Paszek, E. C. 131, 1070,
3505
- Pasztor, L. M. 6514
- Pataki, E. 1740, 5248
- Patay, M. 5804
- Pate, R. R. 2425
- Patel, H. K. 2062, 6009
- Patel, J. C. 4785
- Patel, J. K. 4785
- Patel, J. R. 6009
- Patel, N. G. 901, 1470,
2098, 2099, 5218
- Patel, R. B. 5337
- Patel, R. C. 4785, 4819,
4928, 5337, 7108
- Patel, R. K. 3569, 4919,
7216, 7253
- Patel, R. M. 5337
- Patel, S. N. 6009
- Patel, S. R. 4919
- Pathak, M. D. 1965, 3598,
4589
- Pathak, P. K. 7264
- Patil, S. P. 356, 376
- Patnaik, N. C. 6642
- Patočka, J. 7436
- Patrick, C. R. 5019
- Patrick, J. M., Jr. 2300
- Patsakos, P. G. 7603
- Patschke, K. 1046, 4834
- Pattanshetti, H. V. 4917
- Patterson, C. G. 2921,
3866, 4726
- Patterson, J. 1853
- Patton, R. L. 3380, 3424
- Patzak, H. 4
- Pauer, R. 6007
- Paul, A. V. N. 2078, 5464,
5632, 6634, 6882, 7330
- Paul, H. G. 3075
- Paulian, F. 26, 273, 998,
1350, 1980, 2515, 2842,
4022, 6528, 6671
- Paulsen, A. Q. 2816
- Pauwels, W. J. 7599
- Pavan, C. 1585
- Pavlishina, N. P. 2594
- Pavlov, I. F. 7234
- Pavlova, G. A. 7185
- Pawar, A. D. 4863, 7177,
7360
- Pawar, V. M. 6508, 6886,
6888, 6895
- Pawińska, T. Bilewicz- 91,
196, 197, 4216
- Payne, J. A. 2425, 4896,
5549, 7294
- Payne, T. L. 753, 1460,
4640, 5013, 5020, 5028,
5029
- Paz, M. Hernández 4987
- Pazouki, A. 3978
- Peach, M. E. 6421
- Peacock, E. R. 7001
- Peacock, J. W. 2132,
3736, 4632, 4633, 5002,
5757, 6218
- Peairs, F. B. 5508
- Peakall, D. B. 2313, 5204,
5815
- Pearce, G. T. 4631, 4632,
4633
- Pearce, L. 4263
- Pearce, R. B. 6163
- Pearman, G. 2500
- Pearson, R. W. 1975
- Peart, R. M. 4515
- Pease, H. L. 6561
- Pechhacker, H. 2296
- Pedda Reddy, M. 4917
- Pedigo, L. P. 1916, 3464,
6163, 6364
- Pedrosa, F. N. T. 3675,
3696, 4760, 4956
- Peel, D. A. 2316
- Peeters, J. F. 2311
- Pegazzano, F. 4185
- Pehrson, J. E. 337
- Pelekassis, C. D. 5096
- Pellerents, C. 4512
- Pelletier, M. 7435
- Pellizzari, G. 3228
- Pelov, V. 279, 1414
- Peña Andeliz, C. E. 3248
- Penagos D., H. 4838
- Penagos Dardón, H. 3722,
4987
- Penchev, V. 3873
- Penchi, L. 2661
- Pendery, W. E. 5518
- Pengelly, D. H. 6003
- Penman, D. R. 4584
- Pennetier, J. L. 1743,
4667, 5258
- Pennington, J. 6985
- Pentz, S. 2419
- Pepper, W. D. 7425
- Peracchi, A. L. 2025
- Perdomo, A. J. 5270
- Pereira Beija, A. 1542,
1545
- Pereira de Arruda, G.
1719
- Pereira, L. 4947
- Pereira, N. P. de 698
- Perepetailo, A. P. 5568
- Peresypkina, T. N. 6677
- Perez, C. T. 4048
- Pérez-Herazo, A. 705
- Pérez, J. E. 1327
- Péringuey, L. 557
- Perju, T. 1980, 4716, 6662
- Perkins, B. D. 2748, 2762
- Perkins, J. F. 5231

- Perkins, W. D. 1225,
2564, 3492, 3493, 3494,
4727, 7242
- Perkow, W. 1020, 1021
- Perret, J. 6712
- Perrin, R. M. 5480, 6655
- Perron, J. M. 1238, 3423,
4662, 5766, 5851
- Perrott, D. C. F. 2280,
5991
- Person, N. K., Jr. 1555
- Persoons, C. J. 4627
- Persson, B. 630, 5524,
5911
- Perttunen, V. 3345, 3346
- Perumal, R. S. 2667, 7406
- Perur, N. G. 4156
- Perutik, R. 1944
- Perutik, R. 7150
- Peschken, D. P. 4817
- Pesho, G. R. 305
- Peswani, K. M. 858
- Pétavy, G. 2688
- Peteau, S. 1980
- Peter Ooi, A. C. 861
- Peters, D. C. 1938, 2705,
2792, 4343
- Peters, H. F. 2871
- Petersen, H. I. 5400
- Petrasovits, A. 5799
- Petrocelli, S. R. 5199
- Petrukha, O. I. 5402,
6018, 7278, 7366
- Petrushova, N. I. 5761,
6104
- Petterson, M. A. 3503
- Petterson, J. 3803
- Petty, G. J. 2908
- Peyrelongue, J. 3207
- Pfadt, R. E. 4878
- Pfrimmer, T. R. 110
- Phadke, K. G. 7233
- Phatak, H. C. 1502
- Phatak, S. C. 6360
- Philips, F. M. 7211
- Phillips, J. R. 5328
- Phillips, P. A. 3610
- Philogène, B. J. R. 1797,
4011, 4319
- Phokela, A. 1865, 7345
- Piana, S. 5125
- Pickard, J. A. 6964
- Pickford, R. 740, 823,
4613, 7106
- Piddington, R. W. 1122
- Piechowska, M. J. 3525
- Piedade, J. R. 1211
- Piedade, M. F. 1211
- Piek, T. 1114
- Piekarczyk, K. 1318,
1321, 1463, 6648, 6782,
6928
- Piekarski, L. 6564
- Piening, B. Wiesmann-
2559
- Pienkowski, R. L. 2761,
4884, 5326, 6541
- Pierce, D. A. 5032
- Pierce, H. D. 3118, 5722
- Pieronek, B. 415
- Pieters, E. P. 2996, 7394
- Pigati, P. 1558, 3337
- Pigatti, A. 7329
- Pignal, M. C. 321
- Pihan, J. P. 6454
- Pijnacker, L. P. 2453,
7095
- Pike, K. S. 189
- Pilipyuk, V. I. 550
- Pill, B. A. 2491
- Pillai, G. B. 1928, 2010,
6030, 7298
- Pillai, K. S. 1559
- Pilon, J. G. 6079, 6080
- Pils, W. 493
- Piltz, H. 5699
- Pimentel, D. 280, 4589,
4708
- Pingley, P. L. 7203
- Pinkowski, B. C. 7168
- Pinnell, R. E. 3823
- Pinniger, D. B. 1022,
5706, 6249, 6253, 6855,
7595
- Pinnock, D. E. 470, 1320,
2110, 2209, 2210, 7484
- Pino B., A. 5489
- Pinter, P. J., Jr. 1377
- Pinto, J. D. 4604
- Piotrowska, E. 3682
- Piper, G. L. 2757, 6659
- Pirie, C. 6519
- Pirone, T. P. 460
- Pirvescu, D. 2141, 2206
- Pisarski, B. 7132
- Pitkin, B. R. 408, 6589
- Pitman, G. B. 5665
- Pitre, D. 2882
- Pitre, H. N. 1380, 2818,
4297, 7393
- Pitts, A. 2994
- Pitts, C. W. 2932
- Pizzol, J. 5502
- Plank, J. E. Van der 6376
- Plant Protection Society of
the Republic of China
4492
- Plantevin, G. 5252, 5301
- Plapp, F. W. 5969
- Plapp, F. W., Jr. 1652,
1654, 6399
- Platner, G. R. 5843
- Platt, A. P. 625
- Plattner, H. C. 5209
- Plaut, H. N. 4335, 4889,
4890, 4897, 4898, 4901,
4906, 4907, 4959
- Plaza, E. 5222
- Pleasants, R. H. 4263
- Plewka, T. 2628
- Plugaru, S. G. 2585, 2586
- Plumb, R. T. 4449, 4453,
6703
- Poddubnyi, A. G. 2590,
5228
- Podgwaite, J. D. 6898,
6899
- Podmanická, D. 1767
- Podoler, H. 80, 3456
- Podol'skii, A. S. 5913
- Podufal, C. Hintze- 3420,
4674
- Podzharov, V. K. 7441
- Poe, S. L. 382, 882, 3263,
3692, 6524, 6756
- Poinar, G. O., Jr. 194,
2732, 4463
- Pointel, J. G. 6234
- Pointing, P. J. 1738
- Poitout, S. 83, 638, 1230,
1830, 2661, 5393, 6516
- Pokharkar, R. N. 356,
503, 6072, 6176
- Pokozi, V. T. 7350
- Polcik, B. 2950
- Polevoi, V. V. 6783
- Polivanova, E. N. 3387
- Polles, S. G. 4896, 7294
- Polloni, A. 7321
- Polozhentsev, P. A. 6627
- Polyakov, I. Ya. 1185,
1215
- Pomonis, J. G. 3262, 5760
- Pong, Tho Yow 3560
- Ponnamma, K. N. 3613
- Ponnuwami, M. K. 3643,
3713
- Ponomarenko, N. G.
6012, 7325
- Pons, W. J. 4175
- Ponz, F. 5420
- Poo, C. L. 2901
- Poole, M. L. 6791
- Poormirza, A. A. 3150
- Popendorf, W. J. 4565
- Popo, A. 3061, 3062
- Popov, A. V. 6535
- Popov, C. 998, 4022,
4253, 4255, 6027, 6528
- Popov, N. D. 6196
- Popov, P. 1333, 1841,
5374, 5762, 7109, 7230
- Popova, A. I. 5457
- Popova, L. G. 6319
- Popova, Z. G. 5612
- Popović, N. 449

- Poppi, R. G. 599, 2407,
3256, 5871
- Pordab, Z. 526, 3296,
3297
- Porres, M. A. 5339
- Porter, M. R. 4113
- Portman, R. 2928
- Pospišilová, J. 7371
- Postner, M. 4389
- Poston, F. L. 3464, 6163
- Potter, J. C. 1689
- Pottinger, R. P. 3186,
4882
- Potts, M. F. 6239
- Poulev, V. 7539
- Povzun, I. D. 5568
- Powell, D. M. 3916, 7372
- Powell, J. A. 2493, 4138
- Powell, W. 6216, 6470
- Power, R. J. B. 141
- Pozhar, Z. A. 7366
- Pozo M., H. 1375
- Prabha, S. 1766
- Prabhu, V. K. K. 4064,
4529
- Pradhan, A. G. 1274
- Pradhan, S. 2290, 4677,
5093
- Prakash, N. 6886
- Prakash, S. 233
- Prakash Sarup 1946, 4841
- Pralavorio, M. 977, 3170
- Pralavorio, R. 1830, 2575,
4780
- Pramanik, L. M. 2035,
7327
- Prasad, J. 4020
- Prasad, K. 7564
- Prasad, M. 4648, 6881
- Prasad, R. 6966
- Prasad, S. K. 1567
- Prasad, V. 2728
- Prasad, V. G. 5429, 5634,
6753
- Prasertphon, S. 2191
- Prasse, J. 2603
- Pratt, G. E. 172, 1136,
3394, 3523, 5884
- Pratt, J. J. 1556
- Pratt, J. J., Jr. 5246
- Pratt, P. D. 1556
- Pree, D. J. 3908, 6725
- Prekajski, P. 5122
- Prem Kumar, T. 3719
- Premkumar, T. 3618,
3719, 3720
- Press, J. W. 3834
- Pretorius, L. M. 879
- Prevett, P. F. 6306
- Prilykov, V. V. 5398
- Price, G. N. 3957
- Price, P. W. 2470
- Price, R. D. 1937
- Price, R. G. 3574
- Price, W. C. 883
- Prigge, M. 443
- Primlak, D. A. 6116
- Prilepskaya, H. A. 7325
- Pringle, J. W. S. 6596
- Pringle, K. L. 5949
- Prins, A. J. 4203
- Prinsloo, G. L. 16, 3362,
3991, 4600, 5917
- Prior, R. N. B. 69, 2766,
4417, 5409
- Priore, R. 1383, 6623,
7048
- Pristavko, V. P. 136, 7116,
7483
- Pritam Singh 141, 3794
- Processors & Growers
Research Organisation
6153
- Procter, C. H. 5071
- Proeseler, G. 455, 456,
1398, 2551, 2673, 3109,
5602, 5610, 5620, 5727,
6146, 7375
- Programa Nacional de
Melhoramento da Cana-
de-Açúcar, Brazil 4824
- Prokić-Immel, R. 1609
- Prokopy, R. J. 544, 1181,
2511, 2580, 4120, 5137,
5345, 5971
- Pronina, M. M. 5565
- Prophetou, D. A. 4101
- Proshold, F. 4081
- Proshold, F. I. 614, 3282,
4839
- Prota, R. 919, 1201, 1234,
3754
- Prouty, R. M. 2303, 6410
- Provancher, L. 3981
- Proverbs, M. D. 1197,
2872, 2880, 4904, 6114
- Pruess, K. P. 309, 5935
- Prunet, P. 2553
- Pruszyński, S. 981
- Przybylski, Z. 372, 1468,
4130
- Pschorn-Walcher, H.
1514, 1883, 1925
- Puga, F. R. 2297, 3309
- Puglia, N. M. 5291
- Pulman, D. A. 3959,
4559, 6948
- Pung, T. H. 4441
- Puppini, O. 2179, 6161
- Purcell, A. H. 3617
- Puri, S. N. 1902, 6749
- Purohit, M. L. 2115
- Purrrington, F. F. 1739,
2413
- Purrini, K. 2868, 4485,
5731, 5739, 6307, 6885
- Purushothaman, D. 2979
- Pushkareva, M. D. 6351
- Pushpaveni, G. 3732, 4973
- Pusz, K. 1394
- Putnam, T. B. 412, 2449
- Puttaswamy 7286, 7347
- Puttler, B. 2056, 6780,
7487
- Pyatnova, Yu. B. 5288
- Pyatraitis, Yu. 5287
- Pyenson, L. L. 6563
- Qassem, A. I. 3961
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Primary Industries
6759
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Primary Industries,
Entomology Branch
2862
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- Quencez, P. 7475
- Quezada, J. R. 1429
- Quick, M. P. 5202
- Quinlan, T. J. 301
- Quiroz Escoba, C. 4329
- Quistad, G. E. 1702
- Qureshi, A. H. 2038
- Qureshi, Z. A. 1785, 2922,
3227
- Raatikainen, M. 2767,
2823, 4833, 6038
- Rab, M. Zaka-Ur- 3544,
6825
- Rabasse, J. M. 5084, 5392,
7156
- Rabb, R. L. 94, 4263,
6522, 6523
- Rabbinge, R. 3478, 6847
- Rabindra, R. J. 5070,
5079, 6339, 6882, 7492,
7494
- Raboud, G. 3862, 4837
- Raccah, B. 593, 3131
- Rachie, K. O. 7353
- Rácz, V. 4176
- Radavski, Yu. L. 3811
- Radchenko, A. L. 6907
- Radcliffe, E. B. 502, 4964
- Radev, R. 3700
- Radeva, A. Mameeva-
5813
- Radeva, A. Mateeva- 1682
- Radhakrishnamurty, R.
4040
- Radhakrishnan Nair, R.
3720
- Radisson, A. 548

- Radjabi, G. 4316
 Radke, S. G. 1736, 4619, 4620
 Radwan, H. S. 1485
 Radwan, H. S. A. 4365, 4550, 7592, 7593
 Radzievskii, L. L. 6637
 Rafal'skii, A. K. 6099
 Rafal'skii, V. K. 325
 Rafe, P. M. 4388
 Raffonelli, A. 5213
 Rafie, M. S. El- 3800, 3801
 Rafiq Ahmad 774, 1272, 1280, 1386, 3541
 Ragab, Z. 4360
 Ragazzi, E. 3228
 Raghavan, K. G. 6473
 Raghavan, M. V. 4116
 Raghunatha, G. 4869
 Raghuvanshi, R. K. 1477
 Ragunathan, A. N. 1565
 Ragusa, S. 7217
 Raha, S. K. 6691
 Rahalkar, G. W. 146, 1989, 3233, 3239, 6088
 Raheja, A. K. 2064, 4942
 Rahhal, A. M. M. 3642
 Rahim, W. A. Abdel- 3898
 Rahman, H. A. Abdel- 3142, 4080
 Rahman, H. Abdel- 4459
 Rai, B. K. 5052
 Rai, P. S. 1401, 2484, 4867, 6695, 7274
 Raji, T. 5451
 Raiyyan, N. N. 5980
 Raina, A. K. 43, 6504
 Rainey, R. C. 1173, 3164, 6596, 7505
 Raja, V. D. G. 820
 Rajabai, B. S. 7202
 Rajagopal, D. 6683
 Rajagopalan, K. 3805
 Rajak, R. L. 3100, 5056
 Rajamani, S. 6696
 Rajamohan, N. 791, 1903, 2081, 2984, 2985, 2987, 5575, 6883
 Rajan, M. P. 4116
 Rajaram, K. P. 5777
 Rajashekara, B. G. 4869
 Rajendra, A. 817
 Rajendra, M. K. 4819
 Rajeswari, S. 893
 Rajmohan, N. 824
 Raju, K. V. 6799, 6800
 Raksarart, P. 2523
 Rakshpal, R. 1753
 Ram, S. 6067
 Ramachandran Nair, K. 233, 1278
 Ramakrishnan, C. 831, 887, 2081, 2984, 2985, 2987
 Ramakrishnan, G. 860
 Ramakrishnan, M. S. 4847
 Ramakrishnan, N. 2243, 6508, 6886, 6895
 Ramakrishnan, U. 6057
 Ramallo, N. E. V. de 477
 Ramanarayan, E. P. 403, 2106
 Ramanathapillai, O. 3004
 Ramaprasad, G. 4551
 Ramaseshiah, G. 1583
 Ramaswamy, A. 3713
 Ramchandani, N. P. 3571
 Ramesh, A. N. 1549
 Ramiah, M. 2930
 Ramos, D. E. 4304
 Ramos F., A. 673
 Ramos, J. A. 1067
 Ramos, P. 6140
 Ramoska, W. A. 465, 1587
 Ramse, D. 4416
 Ramse, D. A. 3068
 Ramser, E. 3155
 Ramson, A. 2013, 5490, 7160
 Ramzan, M. 4980, 6790
 Rana, G. L. 3118, 5722
 Rananavare, H. D. 146, 1989, 6088
 Rananavare, H. O. 3233
 Ranaweera, D. J. W. 1498
 Rand, J. R. 6704
 Randall, A. P. 7514
 Randell, R. 1947
 Randell, R. L. 7173
 Rane, A. E. 2061, 4955
 Ranganath, H. A. 4711
 Ranganathan, K. 864
 Rangarajan, A. V. 7384
 Rangarajan, M. 6341
 Rangaswamy, H. R. 7286
 Rao, A. V. 7260
 Rao, A. V. G. 4858
 Rao, B. H. K. 7263
 Rao, B. H. K. M. 4861
 Rao, B. R. S. 2346
 Rao, C. S. 3576
 Rao, D. G. 145
 Rao, G. G. S. N. 7355
 Rao, G. N. 3022, 4991
 Rao, H. N. M. 1549, 6492
 Rao, K. M. 454
 Rao, L. V. A. 403
 Rao, M. S. 1549, 4928, 7108
 Rao, M. V. S. 7202
 Rao, P. A. 3732, 4973
 Rao, P. P. 6414
 Rao, P. R. M. 3732, 4973
 Rao, P. S. 6694, 7257
 Rao, P. V. S. 1387, 2116, 3730, 7363
 Rao, V. P. 1278, 1322
 Raouf, A. 5111
 Rapley, P. E. L. 2679, 2680, 7164
 Rapp, A. 2859
 Raros, L. A. Corpuz- 711
 Raros, R. S. 711
 Rashid, K. A. 7679
 Raske, A. G. 421, 1813, 3038, 3039, 3749, 4414, 6320, 6842
 Rasmy, A. H. 211, 395, 1432, 1815, 2720, 2891, 4799
 Rastegar, R. 2582
 Rastogi, S. C. 4041
 Rasul, G. G. 3415
 Ratan Singh 4027
 Rataul, H. S. 1458, 1476
 Ratcliffe, N. A. 942, 4033, 4464
 Ratcliffe, R. H. 3606, 4516, 6377
 Rathinasamy, C. 1964
 Rathnasamy, R. 7349
 Rathore, V. S. 1477
 Rattan Lal 1701, 2274, 5058, 7339, 7677
 Rattar Lal 2047
 Rauch, F. 1709
 Raulston, J. R. 665, 1226, 2497, 2942, 6794
 Rausch, H. 2468
 Rauscher, S. 7152
 Rautapää, J. 4835
 Ravindranath Gupta, M. 3095
 Rawal, K. M. 7353
 Rawash, I. A. 7660, 7661, 7662
 Rawat, R. R. 1453, 4832, 4929, 7203
 Rawhy, S. 334, 335
 Ray, C. H., Jr. 7005
 Ray, D. G. H. 916
 Ray, R. M. 2534
 Raychaudhuri, D. N. 7134
 Raychaudhuri, S. P. 946
 Rayner, J. M. 7588
 Read, J. S. 2407, 6487, 6488
 Readshaw, J. L. 2869, 6109
 Reagan, T. E. 6609
 Reboulet, J. N. 7546

- Rechav, Y. 1376, 2376
 Reda, M. A. 3429
 Reddy, D. B. 5845, 6141
 Reddy, G. 3298, 4534
 Reddy, H. R. 5509, 6155,
 7157
 Reddy, H. R. R. 5812
 Reddy, M. P. 4917
 Reddy, T. A. 6874
 Reddy, T. G. 1357
 Redfern, M. 6209
 Redfern, R. E. 3102
 Redlinger, L. M. 2500
 Reed, D. K. 955, 4325,
 4466
 Reed, F. C. 2682
 Reed, G. L. 3591, 5499
 Reed, L. B. 5406
 Reed, W. 1487, 2084,
 4116
 Reese, J. C. 5857, 5858
 Reeves, E. L. 948, 949,
 2222
 Reeves, J. M. 6558
 Reeves, R. G. 1687
 Refaei, S. A. El- 4366,
 4368, 4375
 Refaei, S. El- 4369
 Refai, A. El- 1252, 1263
 Refatti, E. 7481
 Regev, S. 42, 2896, 3573,
 6486
 Reggi, M. L. de 2384
 Reghunath, P. 344
 Regupathy, A. 582, 854,
 1075, 1439, 1446, 1964,
 2037, 6064, 7349
 Rehana Habib 856
 Reichardt, W. 2510
 Reichart, G. 2012, 4211,
 4307
 Reichel, W. L. 6410
 Reichholf, J. 1516, 4489
 Reid, D. G. 6195, 6200
 Reidinger, R. F., Jr. 3324
 Reiersen, D. A. 2567
 Reif, V. D. 4571
 Reifenstein, H. 1045
 Reiher, H. 2359
 Reimold, R. J. 3921, 6412,
 7670
 Reinert, J. A. 1364, 2822,
 2844
 Reische, W. C. 4293
 Reisser, F. W. 7608
 Reissig, W. H. 24, 1737,
 2876, 2879
 Reitzel, J. 6448, 6830
 Rejesus, B. Morallo- 1025
 Relaño, E. 1067
 Remes Lenicov, A. M.
 Marino de 3358
 Remund, U. 3225, 4171,
 4172, 4717, 4723, 4909,
 5134, 7158
 Ren, G. 5081
 Ren, G. X. 3146
 Renard, J. L. 7475
 Renfer, A. 2128, 2159,
 6004
 Renjhen, P. L. 3571
 Renoust, M. 6739
 Rens, G. R. 3240
 Rensburg, N. J. van 5952
 Rensi, A. A. 1462
 Renvall, S. 3307, 3308
 Renwick, J. A. A. 925,
 2383, 3042
 Requena, J. R. 338
 Resma, P. W. 3173
 Retan, A. 2928
 Retan, A. H. 3060
 Retnakaran, A. 1065,
 3046, 3341, 5656, 6836,
 6960
 Rettenmeyer, C. W. 4770
 Retuerma, M. L. 883
 Reuther, K. H. 2859
 Revilla, A. P. 5783
 Rexrode, C. O. 4392
 Reyes, A. A. 1680
 Reyes, L. Capriles de 4385
 Reynolds, C. R. 5328
 Reynolds, H. T. 3712
 Reynolds, P. 2310
 Reynolds, R. E. 1497
 Režáč, M. 3285, 5193,
 5194
 Rézbányai, L. 2620
 Rezk, G. N. 1148, 4360
 Rezwani, A. 104, 639
 Rezwani Gilkalai, A. 2858
 Rhode, R. H. 5126, 5880
 Rhyne, M. 3446
 Ribas, C. 4953
 Rice, A. D. 7576
 Rice, J. R. 6985
 Rice, R. 2416
 Rice, R. E. 1640, 2863,
 6098
 Rich, J. R. 4325
 Rich, N. M. 2426
 Richard, C. A. 3867
 Richard, J. J. 6989
 Richard, M. A. 5473,
 5475
 Richard, R. D. 614
 Richards, K. W. 5993,
 7281
 Richards, L. A. 5992,
 5993
 Richards, T. L. 7359
 Richardson, H. 1687
 Richardson, J. 2185, 3123,
 3496
 Richardson, R. H. 4682
 Richmond, J. A. 923
 Ricker, D. W. 811, 812,
 1329, 2758, 7213
 Riddiford, L. M. 2448,
 4058, 4451, 4665, 5302
 Ridet, J. M. 3816
 Ridgway, R. L. 198, 768,
 1707, 2995, 3507, 3698,
 6186, 6990
 Ridsdill Smith, T. J. 4113,
 4257
 Riedl, H. 4734, 5038
 Riedmann, M. 3881
 Riess, R. W. 1585
 Rigney, C. J. 5066
 Rijks, A. A. Weibes- 424
 Rikhter, V. A. 6628
 Riley, J. R. 1177, 1178
 Riley, R. G. 748
 Rilling, G. 2859
 Rina Arlianti 723
 Rincones H., R. 708
 Rinderer, T. E. 6900
 Ringold, G. B. 3211
 Rings, R. W. 323, 4332,
 4742, 6598, 6599, 6600
 Rinnhofer, G. 7128
 Rinsvelt, H. A. Van 2697,
 5311
 Rioux, G. 5473, 5475,
 6798
 Ripa S., R. 700
 Ris Lambers, D. H. 1728
 Ris Lambers, D. Hille
 1084
 Riskalla, M. R. 3267
 Ritcey, G. 1658
 Ritch, J. B., Jr. 6266
 Ritcher, P. O. 303
 Ritchot, C. 5473, 5475,
 6660
 Ritter, F. J. 4627
 Rittig, F. R. 1614
 Rivard, I. 326, 1420, 4309,
 4314, 5533, 5534
 Rivière, J. L. 5331
 Rizk, A. 2088
 Rizk, G. A. M. 4365,
 4550, 7592, 7593
 Rizk, M. 3898
 Rizk, M. A. 5394
 Rizvi, S. K. A. 2813, 6603
 Roach, S. H. 3512
 Robacker, D. 3059, 4629
 Robbins, J. C. 865
 Robbins, P. S. 4557
 Robert, P. H. 1900, 2218,
 2225, 6880
 Robert, Y. 5084

- Roberti, L. 5125
 Roberts, D. C. 3402
 Roberts, D. W. 2211
 Roberts, E. H. 7619
 Roberts, F. S. 3680
 Roberts, H. A. 3327
 Roberts, J. R. 5816
 Roberts, P. A. 6514
 Roberts, P. F. 7586
 Roberts, R. J. 1597
 Roberts, S. C. 3077, 3079
 Robertson, G. 137, 5927
 Robertson, H. A. 4647
 Robertson, J. L. 520,
 1664, 6821
 Robertson, J. S. 1579
 Robins, J. K. 6320
 Robinson, A. G. 3577,
 7027
 Robinson, A. S. 613, 1197,
 3243
 Robinson, R. A. 6376
 Robinson, R. R. 2928
 Robinson, S. H. 3262,
 5760
 Robles-Chillida, E. M.
 2358
 Robredo, F. 1523, 4395,
 6846
 Rochow, W. F. 3110,
 3115, 5721
 Rock, G. C. 330, 1756,
 2937, 4054, 7071, 7541
 Rockstein, M. 4036, 5255
 Rodarte, J. 1107
 Röder, K. 4523
 Rodrigues, J. G. 6239
 Rodrigues Puga, F. 2297
 Rodriguez, J. G. 2921,
 3866, 4228, 4726, 6239
 Rodríguez, R. L. 2187
 Rodríguez V., J. 3449,
 3699, 7567
 Roe, R. 4691
 Roehan, M. 2931, 3121,
 6876
 Roeder, K. D. 1762
 Roehrkasse, G. P. 2509
 Roelofs, W. 1146, 2416,
 3160, 4636
 Roelofs, W. L. 1138, 1145,
 1646, 2412, 2512, 3400,
 3460, 3490, 4073, 4589,
 4637, 4639
 Roeper, R. A. 4398
 Roer, H. 2611
 Rofail, F. 334, 335, 851
 Rogers, C. E. 153, 3677
 Rogers, D. 80, 115, 5363
 Rogers, H. 5202
 Rogers, L. E. 174, 6559
 Rogers, R. R. 3592
 Rohdendorf, E. B. 1678,
 3265
 Rohfritsch, O. 7112
 Rohlifen, K. 6996
 Rohr, C. 307
 Rohrbach, U. 1609
 Rojanavongse, V. 7027
 Rojas G., G. 707
 Rojas, J. M. Osorio 1934,
 2001
 Rola, J. 2950
 Roland, L. Zenon- 1526
 Roland, P. 2276
 Rolim, P. R. 5573
 Roling, M. P. 5672
 Rolley, F. 90
 Rolli, K. 1433
 Rollins, C. S. 4686
 Rollinson, W. D. 3812
 Rolofson, G. L. 2292
 Romain, M. K. St. 7076
 Romankow, W. 1501,
 1983
 Romano, F. P. 4394
 Románuk, M. 4065, 5885,
 6939
 Romanyk, N. 2142
 Romer, F. 53
 Ronchetti, G. 968
 Rondani, C. 3370
 Rønne Kristensen, H.
 2642
 Ronde, T. J. A. de 587
 Ronderos, R. A. 4698
 Room, P. M. 754, 1270,
 1490, 3013
 Roome, R. E. 468, 1224,
 2777, 3858, 6330
 Roonwal, M. L. 214,
 4814, 6610
 Roovers, M. 723
 Ros, J. P. 3217, 5115
 Ros, P. 5132
 Rosa, H. H. de la 5314
 Rosario, S. B. 423
 Roscoe, R. J. 3939
 Rose, A. H. 1176
 Rose, D. J. W. 282, 4247
 Rose, H. S. 7025
 Rosen, D. 3456, 4600,
 5097, 6906
 Rosenberg, L. J. 1809
 Rosenberger, D. A. 331
 Rosenfeld, D. 3320
 Rosenfield, D. D. 1034
 Rosenow, D. T. 2817
 Rosenthal, G. A. 4651,
 5256
 Rosenthal, S. S. 306
 Rosett, M. 3390
 Roshan Lal 7231
 Ross, H. H. 1101
 Ross, R. 5695
 Rossem, G. van 2583,
 4740, 4741
 Rossen, A. R. Van 2311
 Rossetto, C. J. 693, 694
 Rossignoli A., C. E. 683
 Rossiter, P. D. 2784, 2966
 Rössler, Y. 3475, 4114
 Rostom, Z. M. 4080
 Rostom, Z. M. F. 3403
 Rota, P. 2028, 5125, 6028
 Roth, J. P. 2818
 Rothenbuhler, W. C. 6900
 Rothschild, G. H. L. 101,
 542, 1302, 2890, 3869
 Rothschild, M. 1781,
 2402, 6509
 Rotundo, G. 125, 5578,
 6445, 6484, 6542
 Roussel, J. P. 166, 4646,
 4756, 7063
 Rousset, A. 2431
 Rout, G. 1675, 5055
 Rouze-Jouan, J. 7156
 Rowe, G. R. 3187, 3194
 Rowlands, D. G. 1651,
 6936, 6942
 Rowley, A. F. 942, 4033
 Roy, D. R. 3694
 Roy-Noël, J. 3559
 Roy, P. 394
 Royama, T. 765
 Roychaudhury, A. K.
 3694
 Rozhkov, A. A. 5693,
 5697
 Rozhkova, L. A. 7483
 Ru, N. 780
 Ruano, R. G. 3455
 Rubae, A. Y. El- 7151
 Rubin, A. 1289
 Rubin, A. Y. 6211
 Rubtsov, I. A. 650
 Ruck, P. 1853
 Rudenskaya, L. V. 2502
 Rudinsky, J. A. 412, 2449,
 4107, 4391, 4999, 5902
 Rudna, W. 2919
 Rudnev, A. G. 5467
 Rudnev, D. F. 3050
 Rudnew, D. F. 3050
 Rüegg, E. F. 6562
 Ruelle, J. E. 1923, 4231
 Ruesink, W. G. 653, 2477,
 5964
 Ruhendi 723
 Rummel, D. R. 5638
 Rumsey, T. S. 3295
 Rupaš, A. A. 6431
 Rupérez, A. 2248, 3814,
 7279
 Rupf, O. 3251, 3252

- Ruppel, R. F. 2256, 2539, 3499
- Ruscoe, C. N. E. 7622
- Russ, K. 3251, 3252, 7556
- Russell, G. 2066
- Russell, G. E. 2082
- Russell, I. M. 3084
- Russell, J. H. 7513
- Russell, W. A. 284, 6368
- Rust, D. J. 1500, 4387, 5938, 5946
- Ruszkiewicz, M. 226, 4821
- Ruth, W. E. 3006, 4797
- Rutter, R. R. 56, 6286
- Ruzette, M. A. 2883, 4315, 5789
- Růžická, Z. 1121, 2447
- Ryall, R. G. 6467
- Ryall, R. L. 6467
- Ryan, M. F. 1904, 5359
- Ryan, R. B. 4805, 5041
- Rycaj, B. 5210
- Rygg, T. 7342
- Ryker, L. C. 5902
- Sá, L. A. N. de 7361
- Saad, A. S. 3707, 4358
- Saad, A. S. A. 3274
- Saad, B. M. 178, 179
- Saadany, G. B. El- 622, 1817
- Saadany, G. El- 1945, 2579, 3567, 4018, 4364, 4366, 4368, 4369, 4375, 5645, 5646
- Saavedra M., A. 707
- Saba, F. 3983, 4606
- Sabae, A. H. El- 3961
- Sabatino, A. 4001
- Sabluk, V. T. 6679
- Sabrosky, C. W. 2756, 4210
- Sacchi, L. 2461
- Sachan, J. N. 857
- Sadakathullah, S. 824
- Saddik, S. 3666
- Sadeghi, H. Oloumi- 2411, 5499
- Sadomov, È. A. 5913
- Safavi, M. 2336
- Safi, G. S. El- 3442, 3620, 4696
- Safranek, L. 4058
- Safranyik, L. 6212
- Sah, B. N. 852
- Saha, G. N. 3080
- Saha, J. G. 5782
- Saha, S. P. 7264
- Sahni, S. L. 4663, 4664
- Sahota, T. S. 32, 4555, 6961
- Sahu, H. R. 1453, 4832, 4929
- Said, A. A. A. 1016, 3896
- St. Romain, M. K. 7076
- Saito, O. 4880
- Saito, T. 2282, 5260, 7041, 7682
- Saitô, Y. 2714
- Saito, Y. 3121
- Sajjan, S. S. 1345, 6692
- Sakai, M. 4271
- Sakanoshita, A. 5262, 5355
- Sakimura, K. 4596
- Sakiyama, M. 4133
- Saksena, S. N. 274
- Sakuma, M. 5901
- Sakurai, K. 605
- Sakurai, M. 609
- Salah, H. Ben 492, 493, 494
- Salam, A. L. Abdel- 3376, 3377, 3642
- Salam, F. Abdel- 1171
- Salama, A. E. 4184
- Salama, H. S. 451, 2024, 2088, 3724
- Salamov, T. S. 5458
- Salas A., J. 2091
- Salas Aguilar, J. 2092
- Salazar, J. 1935
- Salazar-S, J. 7473
- Salazar T., J. 701
- Saleh, K. M. 713, 716, 723, 724, 725
- Salem, S. A. 451
- Salem, Y. S. 5394, 6459
- Salemme, S. 6568
- Salis, G. von 5661
- Sallam, H. 4367
- Sallam, H. A. 890, 5334
- Salleh, M. K. 6987, 6988
- Salman, A. G. A. 5412
- Salonen, L. 7641
- Salt, G. 6622
- Sama, S. 713, 716, 723, 724, 725, 7272
- Samad, K. 1893
- Samal, P. 4864
- Samalo, A. P. 1357, 6642
- Sambandam, C. N. 6152
- Sampaio, A. S. 345
- Sampayo, M. 7537
- Sams, D. W. 4964
- Samson, R. A. 952, 7495
- Samuel, J. C. 828
- Sana-Ullah 2749
- Sanborn, J. R. 5771
- Sanburg, L. L. 607, 1137
- Sanches Moreira, M. I. 1542, 1543, 1544
- Sánchez, A. 65, 7060
- Sánchez, J. 2187
- Sánchez, J. Morales 1934, 1935, 2001
- Sand, P. F. 5146
- Sanders, C. J. 3742, 3756, 5040
- Sandhu, G. S. 393, 1345, 4269, 6321, 7083, 7247, 7318
- Sandhu, J. S. 267
- Sandhu, R. S. 348
- Sandino, E. J. Urueta 4739, 5652
- Sandino, E. Urueta 7289
- Sandner, H. 23, 2609, 5092
- Sandrini, M. 1440
- Sandru, I. 1980
- Sands, W. A. 1920, 2649
- Sanford, J. W. 237
- Sangappa, H. K. 2819, 6667
- Sänger, K. 5416
- Sangwan, H. S. 1902, 2095, 5093
- Sankaran, T. 1322
- Sankaranarayanan, R. 4088, 5575
- Sans, W. W. 2793, 6360
- Santharam, G. 1446, 7406
- Santhoy, O. 1025
- Santis, L. De 674, 675
- Santora, A. 1779
- Santos, M. A. 3557, 6728
- Santos, O. M. de L. 4761, 4956, 4957, 6717
- Santos, O. S. dos 1457
- Santos Seródio, R. dos 1541
- Santosh Kaul 4680
- Sapir, L. 744
- Sapozhnikova, F. D. 6526
- Săpunaru, T. 1980, 2842
- Saradamma, K. 1157, 1559, 1712, 2970, 3783
- Saraiva de Carvalho, A. 1537
- Saraswat, G. G. 5829, 5830
- Saravanabhavanandam, M. 827
- Sarawak, Department of Agriculture 3973
- Sardana, M. G. 2799
- Sarin, K. 1149, 2168, 6314
- Sáringar, G. 597, 598, 4127, 4308, 5353, 6083
- Sarmiento, J. 446, 704, 705
- Sarmiento M., J. 357
- Sarmiento, R. 3102
- Saroja, R. 885

- Sartin, M. O. 4357
 Sartwell, C. 4411
 Sartwell, C., Jr. 4391
 Sarup, P. 1946, 2279,
 2291, 3593, 4841, 7248
 Sarwar, S. L. 1676, 5605
 Sasaba, T. 2544, 2807
 Sasakawa, M. 81, 5607,
 6210
 Sasaki, M. 1832, 4128,
 6150
 Sasaki, Y. 4541
 Sass, O. 5610, 7375
 Sastry, A. S. 6560
 Sastry, K. S. 5724
 Sastry, K. S. M. 5724,
 7478
 Sathiamma, B. 149, 3618,
 3718
 Sato, A. 3597, 6059
 Sato, K. 2167, 4440
 Sato, M. 1285
 Sato, T. 4850
 Sato, Y. 1240
 Satoh, H. 433
 Satomi, H. 1960, 5516
 Satpathy, J. M. 4330, 6642
 Sattelle, D. B. 1122, 5788
 Sauer, H. F. G. 154
 Sauer, J. R. 2495
 Saulich, A. Kh. 2518,
 5906
 Saum, T. 6465
 Saunders, D. S. 1811,
 7052
 Saunders, J. L. 3908
 Saunders, P. T. 6197
 Saura, A. 7096
 Sauter, W. 1948
 Sauvageau, J. L. 5475
 Savkovskii, P. P. 6727,
 7304, 7308
 Savopoulou, M. C. 4101
 Savov, D. 2166
 Savzdarg, V. È. 6106
 Sawada, H. 7446
 Sawaf, B. M. El- 2486
 Sawaf, S. K. El- 517,
 1912, 2260
 Sawaf, S. K. EL- 4092
 Sawaf, S. K. El- 4096,
 6493, 6494, 7283, 7284
 Sawicki, R. M. 7576
 Sawy, M. S. El 3896
 Saxena, B. P. 1678
 Saxena, H. P. 7345
 Saxena, J. D. 7233
 Saxena, K. N. 157, 1766,
 1808, 4121, 4122
 Saxena, P. 1744
 Saxena, R. C. 157, 1808,
 4121, 4122, 4612
 Saxena, S. C. 2168, 2418,
 4644, 4680, 5852, 5859,
 6314, 7120
 Sayed, E. I. El- 4553
 Sayed, G. N. El- 2287
 Sayed, H. W. A. 2546,
 2547
 Scaranari, H. J. 345
 Schaaf, A. C. 264
 Schadeegg, E. 5400
 Schaefer, C. A. 294, 6074
 Schaefer, C. W. 2014,
 2342
 Schaefer, G. W. 6596
 Schaefers, G. A. 1393
 Schalk, J. M. 4885, 6377
 Schauer, R. L. 3958, 7599
 Schäufler, W. R. 1605
 Schechter, M. S. 648, 3342
 Scherney, F. 6040
 Scheurer, R. 2883, 4315,
 5789
 Scheurer, S. 2625
 Schicha, E. 3616, 4310,
 5560, 5561
 Schicke, P. 1609
 Schiefer, B. 4159
 Schimitschek, E. 2151
 Schliephake, G. 4164
 Schmelzer, K. 6146
 Schmialek, P. 5384
 Schmid, A. 1592, 2244,
 3135
 Schmid, J. M. 4733
 Schmidle, A. 6111
 Schmidt, E. 6917
 Schmidt, G. H. 1810,
 5247
 Schmidt, H. 1531, 3085
 Schmidt, K. J. 5157
 Schmidt-Ott, M. 1625
 Schmutterer, H. 790,
 1601, 1897, 2286, 3809
 Schnee, H. 7238
 Schneeweis, J. C. 4561
 Schneider, F. 3467, 4702
 Schneider, L. 6498
 Schneider, P. 5269
 Schnoes, H. K. 1649
 Schober, A. E. 5156
 Schoenleber, L. G. 7303
 Schönbeck, F. 6594
 Schooley, D. A. 1702
 Schooneveld, H. 3283
 Schoonhoven, A. V. 6681
 Schoonhoven, A. van 4940
 Schoonhoven, L. M. 589,
 1123, 6383
 Schreiber, J. R. 5430
 Schreiber, L. R. 6218
 Schröder, D. 202, 3752
 Schroder, R. F. W. 6517
 Schroeder, D. 2752
 Schroeder, F. 34
 Schroeder, K. H. 4196
 Schroeder, L. A. 5860
 Schroeder, M. H. 4733
 Schroeder, P. M. 5549
 Schröter, H. J. 5003
 Schruft, G. 2559, 6547
 Schubert, G. 5502
 Schuder, D. L. 409
 Schuhmann, G. 5138
 Schuler, A. 7084
 Schulten, G. G. M. 2650,
 7467
 Schultz, D. E. 1425
 Schulz, K. R. 1015, 1649
 Schulze, E. F. 2643
 Schulze, H. U. 4935
 Schulze, L. 4049
 Schulze, W. 2266
 Schumann, K. 2866
 Schureman, R. S. 3503
 Schuster, D. J. 3580, 4343
 Schuster, M. F. 396
 Schütte, F. 822, 3581
 Schwartsman, S. 3337
 Schwahn, P. 4520
 Schwalbe, C. P. 543, 4053
 Schwankl, W. 5247
 Schwartz, A. 133, 793,
 2030, 2472, 6139
 Schwartz, P. H., Jr. 5197,
 5555
 Schwarz, C. 1648
 Schwarz, U. 1509, 5275
 Schwerdtfeger, F. 3445
 Scobiola-Palade, X. 2631
 Scopes, N. E. A. 798, 984,
 3938
 Scott, D. R. 7243
 Scott, D. W. 1511, 4006
 Scott, G. C. 6462, 7586
 Scott, H. A. 4462, 4476
 Scott, J. R. 2224
 Scott, T. M. 3041, 4423,
 5666, 6835
 Scott, W. P. 3710
 Scriber, J. M. 4259
 Scriven, G. T. 1917
 Scudamore, K. A. 2548
 Seabrook, W. D. 4055
 Seaman, B. A. 3680
 Seay, R. S. 1107
 Sebae, A. H. El- 1488,
 3961, 5179, 5180, 5181,
 5182, 7374, 7653, 7655
 Seefeld, F. 1045, 5805
 Seemüller, E. 6111
 Ségault, D. Marchal- 631,
 2196, 3857
 Segretain, G. 6345

- Sehnal, F. 1135, 1774,
2447, 3418, 4065, 5885,
6938, 6939
- Seiber, J. N. 122, 2973
- Seidel, F. 4587
- Seifert, G. 4588
- Sekine, B. 1955
- Sekul, A. A. 5824
- Sekulić, R. 2598, 4972
- Selander, J. 3345, 3346
- Selhime, A. G. 2892,
3549, 5253, 6752
- Selim, A. A. 3800, 3801
- Selman, C. L. 2320
- Selvaraj, S. 820
- Semenov, P. V. 6672
- Semenova, E. P. 6672
- Sem'yanov, V. P. 5925
- Sena Maia, J. C. 6582
- Sena, R. C. de 6670
- Sengalevich, G. 420, 1395,
5769
- Sengalewitsch, G. 420
- Şengonca, Ç. 5640
- Seniczak, S. 1300
- Seong, S. I. 5293
- Sepasgozarian, H. 2537,
4746, 6547
- Serafimovski, A. 430
- Serantes de González, H.
3660
- Serebryani, S. B. 3810,
3811
- Sergeev, G. E. 1215
- Sergeeva, T. K. 5385,
6015
- Serghiou, C. 3214
- Serghiou, C. S. 2786
- Serini Bolchi, G. 2006,
6028
- Sermann, H. 2866
- Serôdio, R. dos S. 1541
- Serrão Nogueira, C. D.
1505
- Servadei, A. 2007
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Plagas e Inspección
Fitopatológica 4915
- Seryczyńska, H. 3153
- Seryi, N. I. 2587
- Seshureddy, K. V. 6686
- Seth, A. K. 6295
- Seth, J. 7233
- Sethunathan, N. 5777,
5820
- Setokuchi, O. 292, 1971,
5521
- Seutin, E. 2660, 6773
- Sevacherian, V. 1175,
2490
- Severina, N. I. 6326
- Sevryukova, M. V. 5401
- Seymour, P. R. 2275
- Seymour, R. S. 105
- Sgrillo, R. B. 3236
- Sha, C. Y. 3146
- Shaaban, A. M. 1485,
4687
- Shaarawy, M. F. El- 4030,
4031, 4366, 4368, 4369,
4375, 4655, 4690, 4977,
5276, 5277, 5394
- Shabbir, S. G. 1253
- Shade, R. E. 2836
- Shafee, S. A. 4607
- Shafi, M. 1257, 2648
- Shafik, M. T. 3917, 3923
- Shafique, R. M. 2055
- Shagir Sama 716, 723,
724, 725
- Shah, A. H. 4919, 7326,
7344
- Shah, P. V. 1686
- Shahjahan, M. 5446, 5711
- Shalla, T. A. 2854, 2855,
2856
- Shanab, L. M. 5810, 5811
- Shanahan, P. J. 6207
- Shands, W. A. 664, 878,
2968, 3680, 3681
- Shanghai Institute of
Entomology 1968,
3289
- Shanks, C. H., Jr. 844,
1391
- Shanmugam, N. 6781
- Shantaram, K. 146, 6088
- Shanthakumar, T. 2667
- Shapiro, M. 478, 3145,
3154
- Sharaby, A. 2088
- Sharafutdinov, Sh. A.
7659
- Sharkawy, G. M. El- 7374
- Sharma, A. K. 66, 1112
- Sharma, G. C. 6922
- Sharma, G. K. 4054
- Sharma, J. C. 884, 2294,
4778, 4932, 4934, 7199
- Sharma, J. K. 7275
- Sharma, L. D. 328
- Sharma, M. L. 1513, 4941
- Sharma, P. L. 2026, 2051,
4792, 7028
- Sharma, S. K. 354, 999
- Sharma, S. N. 3599
- Sharma, S. R. 2053
- Sharma, U. 4663, 4664
- Sharma, V. K. 2095
- Sharma, V. P. 2127
- Sharma, Y. K. 7358
- Sharp, A. K. 6278
- Sharp, J. E. 441, 6289
- Sharp, J. L. 2505, 4684,
4699
- Sharp, R. B. 3952
- Shashi Prabha 1766
- Shaumar, N. F. 1786
- Shaver, T. N. 2414, 6934
- Shaw, J. T. 1947
- Shaw, K. A. 301
- Shaw, K. C. 6543
- Shaw, M. R. 6632
- Shaw, M. W. 5655
- Shayesteh, N. 3101
- Shazil, A. Y. El- 4167
- Shazli, A. El- 5184
- Shazli, A. Y. El- 7660,
7661, 7662
- Shchepetilnikova, V. A.
3854
- Shcherbakova, G. D. 5286
- Sheads, R. E. 1070
- Shealy, M. H., Jr. 7670
- Sheard, G. H. 5749
- Shearer, J. W. 278
- Sheasby, J. L. 1310, 1311,
1312, 1313, 1314, 1315,
4230, 4231, 4232, 4233
- Sheets, T. J. 532, 4579
- Sheffer, V. V. 5753
- Shehata, M. N. 3532
- Shehata, N. F. 4082
- Shehata, S. M. 4977
- Sheikher, C. 7102
- Shejbal, J. 2656
- Shek, G. Kh. 1346
- Sheldon, J. K. 803, 804,
3451
- Shelikhov, A. G. 6082
- Sheltawy, E. M. 3797,
3798, 3799
- Shen, C. P. 2730
- Shepard, M. 99, 365, 366,
2474, 2560, 2939, 3822,
5439
- Shepherd, J. G. 48
- Shepherd, R. F. 4555
- Sheppard, D. C. 6609
- Sheppard, R. F. 3474
- Shepshelev, Z. G. 7380
- Sherbanova, N. 2887
- Sherif, A. R. A. El- 3780
- Sherif, H. El- 230, 231
- Sherif, S. I. El- 3501,
3704, 5506
- Sherman, L. V. 7116
- Shevchenko, V. G. 6432
- Shevchenko, V. N. 7366
- Shevtsova, L. S. 5245
- Shewell, G. E. 5984
- Shibata, H. 834
- Shiel, R. S. 5655
- Shields, J. B. 123
- Shiga, M. 481, 1096, 3837

- Shih, C. I. T. 6524
 Shih-Coleman, C. 4490
 Shiiko, È. S. 5996
 Shikony, E. N. 900
 Shilova, S. A. 6971
 Shimada, K. 5756
 Shimada, S. 4645
 Shimizu, K. 4317, 5690
 Shimy, A. El- 334, 335
 Shin, Y. H. 3844
 Shinde, V. K. R. 999
 Shinkaji, N. 3273
 Shiraga, M. 1073, 3755
 Shirasu, Y. 5166
 Shirinyan, Zh. A. 4810
 Shivashankar, G. 6155
 Shiyomi, M. 1829, 4721
 Shmyglya, V. A. 6167
 Shono, T. 84
 Shope, R. E. 4451
 Shorey, H. H. 3399, 4045, 5279, 5926, 6485
 Short, D. E. 6203, 7280
 Shoukry, A. 611, 1787, 3264, 4082
 Show, E. D. 522
 Showalter, A. H. 4884
 Showers, W. B. 3591, 4265, 5499
 Shoyinka, S. A. 2186, 7477
 Shternshis, M. V. 6326
 Shtunduyuk, A. V. 6549
 Shuja-uddin 5233
 Shukla, D. D. 6146
 Shukla, G. S. 3731
 Shukla, R. N. 4679
 Shukla, U. S. 2380
 Shulov, A. 3266
 Shumakov, E. M. 5761
 Shutova, N. N. 5403
 Shuval, G. 1074
 Shuvalov, G. T. 6587
 Shvanderov, F. A. 6096
 Shvedova, R. I. 5389
 Sibbett, G. S. 4304
 Siddappaji, C. 4917
 Siddaramappa, R. 5777, 5820
 Siddig, S. A. 1992
 Siddiqui, Z. 7273
 Siddiqui, K. H. 1946, 3593, 4841, 4842, 7248
 Siddiqui, Q. H. 3227
 Sidhu, A. S. 734, 1484, 4980, 5387, 6789, 6795, 7335
 Sidhu, J. S. 4575
 Sidor, C. 3138, 5076
 Sidor, D. 480
 Sidorova, N. M. 3810, 3811
 Siebert, M. W. 4242
 Sierra, E. Asensio de la 840
 Sifat, S. 4614
 Sifuentes Aguilar, J. A. 1474, 1475, 2988, 3970
 Sifuentes, J. A. 1474
 Sikowski, P. P. 3824
 Sikoura, A. J. 3855
 Sikura, A. I. 3855
 Sileo, L. 2307
 Silhacek, D. L. 539, 1134, 6286, 6296, 7649
 Sillings, J. O. 7359
 Silva e Sousa, M. E. da 1538
 Silva Fernandes, A. M. S. 4562
 Silva, P. 2102
 Silva, R. F. P. da 2934
 Silva, S. 1975
 Silva, T. L. da 1714
 Silveira Guido, A. 2762
 Silveira-Guido, A. 3133
 Silveira, M. V. da 1440
 Silveira Neto, S. 281, 694, 4700
 Silver, R. G. 4198
 Silversides, R. H. 1176
 Silverstein, R. M. 61, 4631, 4632, 4633, 4642, 5030
 Silvestri, F. 6552
 Simchuk, P. A. 2182
 Simeone, J. B. 4632, 4634
 Šimić, S. 5325
 Simionescu, A. 2141, 2206
 Simkins, J. 5625
 Simmonds, F. J. 966
 Simmonds, S. P. 908, 6151
 Simmons, G. A. 920, 4162, 5437
 Simmons, P. 5715
 Simon F., J. E. 673, 3215, 7473
 Simonaitis, R. A. 3089, 5702
 Simonin, A. 2947
 Simova-Tošić, D. 4713, 5563
 Simpson, B. A. 664, 2968
 Simpson, G. W. 664, 878, 2968, 3680, 3681
 Simpson, R. F. 6423
 Simpson, R. G. 646, 3552, 5440
 Simwat, G. S. 1484, 6313, 7335
 Sinadskii, Yu. V. 6832
 Sinclair, A. R. E. 116
 Sinclair, C. 7587
 Singer, M. C. 6093
 Singh, A. 1753
 Singh, A. B. 2036
 Singh, A. P. 4027
 Singh, Azad 3329
 Singh, B. D. N. 6966
 Singh, B. U. 2978
 Singh, Balkarn 4269, 7247
 Singh, Balraj 2771, 4829, 4980, 7282
 Singh, Balrao 3143
 Singh, Brajendra 4654
 Singh, C. 6861
 Singh, D. 2799
 Singh, D. P. 1118
 Singh, D. R. 3893, 4037, 4091, 6398
 Singh, D. S. 2291
 Singh, Darshan 5080, 6790
 Singh, Gurchan 288
 Singh, Gurdip 1484
 Singh, Gurmeet 7282
 Singh, H. 3255
 Singh, H. N. 66, 1112
 Singh, H. V. 1482, 6809
 Singh, Harcharan 354, 3687, 6188
 Singh, J. 2606
 Singh, Janardar 4783
 Singh, Jaswant 1345, 6692
 Singh, Joginder 6795
 Singh, Jyotsna 7069
 Singh, K. Daljeet- 2148
 Singh, K. M. 2290, 4076, 4677, 4996, 5093, 5094, 5891, 7355
 Singh, K. N. 4076
 Singh, Karan 938, 1563, 3781, 6310
 Singh, Kishan 2380
 Singh, L. N. 1564
 Singh, Labh 1458, 4438
 Singh, Lalinder 7352
 Singh, M. B. D. 148
 Singh, N. B. 4027, 4624
 Singh, N. N. 7248
 Singh, O. P. 2059, 4340, 6641, 7045
 Singh, Pritam 141, 3794
 Singh, R. 2080, 2975, 4545, 6967, 7190
 Singh, R. N. 5093, 5094, 7355
 Singh, R. P. 2929, 5093, 6160
 Singh, Ratan 4027
 Singh, S. J. 5724, 7478
 Singh, S. P. 6147, 6395
 Singh, S. R. 6229
 Singh, Shamsheer 1502
 Singh, Suchwant 3599

- Singh, V. S. 4830, 6867, 7233
Singh, Y. 7345
Singh, Y. N. 1769, 2360, 2430
Singh, Y. P. 293, 1436, 6067, 6068, 6069, 6966
Singh, Yogendra 1056
Singh, Zile 2115, 4950
Singhasene, Y. 3179
Singhvi, S. M. 2181
Sinha, A. K. 1447
Sinha, D. P. 4663, 4664
Sinha, R. C. 1576
Sinha, R. N. 5054, 6236, 6280, 6318, 6323
Sinha, S. K. 6881
Sinsheimer, J. E. 4571
Sippell, W. L. 5034, 7415
Siqueira Cavalcante, M. L. 4761, 4891
Sisojević, P. 782, 5361
Sisto, A. M. 7600
Sithanantham, S. 814, 831, 892, 894
Sivakumar, C. V. 2667
Sivapalan, P. 3023
Sivaram, M. R. 2097
Sivasubramanian, V. 3004
Siwi, S. S. 723
Skangiel-Krumska, J. 2395
Skatulla, H. 4585
Skatulla, U. 912, 1032, 2266, 3070, 4112, 5294, 5738
Skilling, L. 2015, 2016
Skinner, G. 3462, 6149
Skirkevičius, A. 5278, 5281
Škopina, I. N. 6572
Škrobák, J. 580, 1659, 5792
Škrobáková, E. 580, 5792
Skrocki, C. 1479, 1480, 1481
Skrypniuk, E. I. 2702
Skrzypczyńska, M. 1888, 3367, 3368, 3987, 6545
Skuhřavá, M. 4140, 7139
Skuhřavý, V. 429, 1774, 1806, 6829, 6845
Skylar, V. I. 6073
Slach, E. 4578
Sláma, K. 590, 1131, 4065
Slavchev, A. 7368
Slavov, N. 5559, 7196
Ślawiński, A. 512
Śliżyński, K. 1217, 1218
Sloan, N. F. 920
Sloan, R. J. 2526, 2527
Slobodchikoff, C. N. 1889
Slobodyanyuk, V. Ya. 6570, 6656
Slosser, J. E. 5328
Slowiak, D. 137
Sluss, R. R. 2530, 3224
Smaglyuk, N. A. 5454
Smalley, H. E. 5200
Smart, P. 6518, 6519, 6520
Smartt, J. 6771
Smeljanez, W. P. 432, 2123, 3049
Smelyanets, V. P. 432, 2123, 3049
Smetana, A. 7019
Smiley, R. L. 552
Smilowitz, Z. 788, 2710, 3652, 7191
Smirnoff, W. A. 416, 495, 910, 956, 1083, 4481, 5683, 7435, 7493
Smirnov, A. A. 6971
Smith, B. C. 1004
Smith, B. D. 1997, 6093
Smith, C. M. 1380, 4297
Smith, C. N. 5963
Smith, D. 41, 225, 333, 2895
Smith, D. B. 2991
Smith, D. R. 5227
Smith, E. N. 3483
Smith, E. S. C. 1495, 3013
Smith, F. F. 3026
Smith, J. D. 4159
Smith, J. G. 5732
Smith, J. H. 6503
Smith, J. L. 737
Smith, J. S., Jr. 7302
Smith, J. W. 2457, 3010
Smith, J. W., Jr. 1460, 4124, 4342, 4344
Smith, K. G. V. 1834
Smith, L. 3046, 6960
Smith, L. B. 6264
Smith, L. F. R. 5985, 6887
Smith, L. O. 3107, 4910
Smith, L. W., Jr. 1556
Smith, M. C. 6462
Smith, R. F. 540, 995, 5528, 5963
Smith, R. G. 3401, 4046
Smith, R. H. 3765
Smith, R. L. 4979
Smith, R. M. 583
Smith, T. J. R. 4113, 4257
Smittle, B. J. 4684, 4729
Smolanoff, J. 5145
Smol'yannikov, V. V. 5556
Smookler, M. 459
Snelson, J. T. 5774, 6271
Śniatałowa, Z. Zwolińska-526
Snieder, D. 4086
Snoddy, E. L. 2180
Snodgrass, R. E. 7039
Snow, J. W. 644, 1225, 2497, 2942, 4839, 6192, 6794
So, J. S. 4354
Sobeiha, A. M. 3800, 3801
Sobhian, R. 4244
Sobota, G. 1352
Sobue, S. 7361
Sociedad Entomológica del Perú 672, 689
Sociedad Mexicana de Entomología 3970
Soderstrom, E. L. 3086
Soehardjan, M. 719, 720, 723, 7266
Soejitno, J. 721, 723
Soekarna, D. 715, 718
Soenardi 1950
Soenarjo, E. 7270
Soenen, A. 3313
Sogawa, K. 2496, 7065
Sohi, B. S. 341, 4653, 4887, 4888
Sohi, S. S. 6891
Sokoloff, A. 5312
Sokolova, E. I. 6707
Sokolove, P. G. 45, 102
Sokol'skaya, N. P. 3325
Sol, R. 1611
Soleimani, P. 6217
Soliman, A. 4459
Soliman, A. A. 3403
Soliman, M. H. 1019, 5292
Soliman, N. Z. 2547
Soliman, Z. A. 7098
Soliman, Z. R. 3442, 3620, 4129, 4355, 4696, 6616
Solinas, M. 52, 4409
Solodovnikova, V. S. 7182
Solomon Islands, Ministry of Agriculture and Rural Economy 3976
Solomon, J. D. 922, 3036, 3500, 7410, 7429
Solomon, K. R. 1128, 5941
Solomon, M. E. 7687
Solomon, M. G. 797
Solov'eva, L. F. 7676
Solomon Chareonridhi 6035
Sömermaa, K. 1943
Sommeijer, M. J. 2667, 5399, 5981
Somsen, H. W. 5493
Song, K. W. 1879

- Song, Y. H. 825, 1360, 3278
 Soni, S. K. 5898
 Sonnet, P. E. 5461
 Sonobe, H. 5870
 Sood, N. K. 1477
 Sood, S. 3664
 Soon, Lim Guan 1356, 1951
 Soper, R. S. 5984, 5985, 6887
 Sorensen, A. J. 3054
 Sorensen, J. T. 845, 4165
 Sorenson, J. W., Jr. 1555
 Soria, F. 492
 Soria, S. de J. 1493, 2102, 4383
 Šorm, F. 6938
 Sorokina, A. P. 4812
 Sosa M., C. 681, 682
 Sosulski, F. W. 2422
 Sotiropoulos, P. 6170
 Soto, P. E. 7273
 Sotomayor B., B. 684
 Soubrier, G. 4503
 Souka, S. 5314
 Souka, S. R. 3429
 Souliotis, C. 2555
 Soultanopoulou-Mantaka, A. 3383
 Sousa, M. E. da S. e 1538
 Southgate, B. J. 2111, 5411
 Southwood, T. R. E. 869, 4589
 Souza dos Santos, O. 1457
 Souza Guerra, M. de 251, 2112
 Sowell, R. S. 3448
 Sower, L. 539
 Sower, L. L. 1141, 4643, 6297
 Sowray, P. A. 4961
 Spaar, D. 3109
 Spackman, E. 2259
 Spackman, E. W. 1641
 Spanjer, W. 1114
 Sparks, A. N. 2504, 2564, 3492, 3493, 3494, 3591, 4260, 4265, 4505, 5824
 Sparks, D. 7294
 Sparrow, P. R. 3949
 Spasova, P. 5810, 5811, 6919
 Spear, R. C. 4565
 Spears, B. M. 3562
 Speers, C. F. 413, 3064, 4730, 5018, 5090, 5659
 Spektor, M. R. 7179
 Spence, J. H. 5149
 Spencer, I. M. 6477
 Spencer-Jones, D. H. 3939
 Spencer, N. R. 2747, 3563
 Spencer, W. F. 6392
 Spharim, Y. 3222
 Spiers, R. D. 2441
 Spieth, H. T. 2704, 4682
 Spink, W. T. 807
 Spitler, G. H. 3796, 5716
 Spitzer, K. 4099
 Splittstoesser, C. M. 3818
 Spratt, E. C. 5346
 Sprengel, R. K. 3671
 Springett, B. P. 1469, 7545
 Springhetti, A. 1317
 Sprott, J. M. 7395
 Srdić, S. 5045
 Srdić, Z. 92, 1111, 4712
 Sreenivasam, D. D. 4390
 Sreeramulu, C. 3618
 Sri-Arunotal, S. 3824
 Sri Suharni Siwi 723
 Sridhar, T. S. 6893
 Sriharan, S. 6693
 Srihari, T. 3416, 7086
 Srinath, D. 1565, 5399
 Srinivasan, S. 3004
 Srivastava, A. S. 293, 353, 1436, 2929, 6067, 6068, 6069, 6160, 6395, 6861, 6966
 Srivastava, B. P. 857, 1030, 4927, 5188
 Srivastava, J. L. 353
 Srivastava, K. C. 6753
 Srivastava, K. M. 2274, 2929, 6160, 6177
 Srivastava, K. P. 5849, 6075
 Srivastava, O. P. 3406
 Srivastava, O. S. 1550, 2057, 7328, 7385
 Srivastava, P. N. 3405
 Srivastava, R. P. 7331
 Srivastava, S. 2026, 4792
 Srivastava, T. N. 818
 Šrokose, K. 3390
 Šrot, M. 1525
 Staal, G. B. 3876, 6937
 Stäb, K. J. A. Wijnands-2460
 Stacey, C. I. 6978
 Stacey, D. L. 7583
 Stacey, L. 4691
 Stacherska, B. 1880, 4151, 4877
 Stachyra, T. 6927
 Städler, E. 427, 2069, 4055, 5290
 Staetz, C. A. 2292
 Stage, A. R. 5010
 Stahl, J. 1788
 Stahl, M. 6811
 Staiger, L. E. 1702
 Stainsby, B. 1060
 Stairs, G. R. 960, 1587, 4477
 Stallard, D. E. 4582, 5169
 Stamenković, T. 1705
 Stanger, W. 5807
 Stanić, V. 3266
 Stanley, J. M. 6192
 Stanley, P. I. 3919
 Stannard, L. J., Jr. 2675
 Stapley, J. H. 7261
 Stärk, H. 2578
 Stark, R. W. 990
 Starke, L. C. 1500
 Starks, K. J. 291, 1938, 3391, 3580, 5485
 Starović, N. 5151
 Starovir, I. S. 584
 Starr, H. G., Jr. 4530
 Starý, P. 777, 790, 1291, 1899, 2322, 2323, 2330, 2428, 3180, 6450, 6644, 7205
 Starzyk, J. R. 6813
 Stasiak, A. 312
 Statens Forsøgsvirksomhed Plantekultur 6956
 Statens Plantepatologiske Forsøg 5400
 Stathopoulos, D. G. 2663
 Staub, A. 3626
 Stäubli, A. 1839
 Stavrakí, H. G. 2900
 Stec, J. 6970
 Steck, W. F. 3422
 Steele, R. W. 1001
 Steene, F. van de 2651, 2653, 6773
 Steenwyk, R. A. Van 3712, 4292
 Steets, R. 2286, 3906
 Stefanov, D. 397, 3294
 Stefanov, S. G. 3700
 Stefanov, T. 1986
 Steffan, A. W. 1610, 1636, 3241, 5320, 5321
 Steffan, H. 2859
 Steffens, W. 6974
 Stegaresku, O. P. 2594
 Stegmiller, L. F. 5772
 Stein, J. L. 2362
 Stein, W. 104, 639
 Steiner, H. 1604, 3258, 7533
 Steiner, K. 3864
 Steiner, L. F. 3218, 4507
 Steinhauer, A. L. 206, 3672, 3673, 6517
 Steinhäusen, W. R. 2626
 Stell, G. 3272
 Stelzer, M. J. 1521

- Stengel, M. 5497, 5502
 Stenmark, A. 4337, 4338
 Stenseth, C. 973, 5543,
 5544, 5545, 5743, 5744,
 7121, 7673
 Stepanyan, E. B. 5308
 Stephen, F. M. 918
 Stephens, C. S. 2032
 Stephens, G. 3744
 Stephens, G. R. 7439
 Stephens, G. S. 3575
 Stephens, R. M. 6490
 Sterlin, J. D. E. 4258
 Sterling, W. 4372, 4737
 Sterling, W. L. 2522,
 2996, 7389
 Stern, V. M. 1175, 4292,
 6085, 6190, 6365
 Sternlicht, M. 848, 1187,
 2896
 Stetson, L. E. 2484
 Stevanović, D. L. 5325
 Stevens, L. J. 543
 Stevens, L. M. 3672, 3673
 Stevens, R. E. 418, 4411
 Stevenson, A. B. 1680,
 7370
 Stevenson, J. H. 1698,
 3959, 7602
 Stewart, D. K. R. 533,
 1062
 Stewart, F. D. 2700
 Stewart, J. W. 5013
 Stewart, P. A. 2506
 Stewart, R. K. 4938, 7334,
 7527
 Stewart, R. R. 6916
 Steyskal, G. C. 1731, 5237
 Stiles, D. A. 6421
 Stimmann, M. W. 3503
 Stimmel, J. F. 2412
 Stinner, B. R. 6614
 Stinner, R. E. 94, 3448,
 3698, 4134, 4263
 Stobiecki, T. 5210
 Stockdale, H. 3817
 Stockel, J. 2442, 7568
 Stoetzel, M. B. 2531
 Stoeva, R. 1275, 1382
 Stojanović, T. 5718
 Stokes, R. A. 1707, 2995
 Stokkink, E. 61
 Stolyarov, M. V. 1854
 Stolyarova, L. A. 7325
 Stone, A. 1731
 Stone, E. H. 129
 Stone, J. L. S. 3504
 Stone, K. W. 3688
 Stoner, A. 190, 1168,
 1915, 2521, 2733
 Storey, C. L. 1029, 2169,
 4428, 5348
 Straka, F. 67, 351, 1444,
 2046
 Strandberg, J. O. 958
 Stratakis, E. 5257, 6557
 Stratan, V. S. 2586
 Straub, R. W. 4266, 4290,
 4558
 Strauss, E. 6333
 Strawiński, K. 4396
 Strebler, G. 1984, 5934
 Street, J. C. 6916
 Street, M. W., Jr. 1843,
 7465
 Streinz, L. 5885, 6939
 Strickland, A. H. 6380
 Stringer, A. 6964
 Stringer, C. E. 3533
 Strojny, W. 1522, 5662
 Strong, L. 171
 Strong, R. G. 1158, 1159,
 1160, 2378
 Strouthopoulos, T. 2663
 Stroyan, H. L. G. 4597
 Struble, D. L. 2916, 3398,
 3421
 Strunnikov, V. A. 7040
 Stüben, M. 1635, 5320
 Stucker, R. E. 502
 Studziński, A. 1318, 1349,
 1463, 1926, 2039, 2065,
 2745, 2843, 3568, 4748
 Styer, W. E. 3985
 Su, G. C. C. 5966
 Su, T. H. 4229
 Suarez, A. 1066
 Suarez R., P. A. 1365
 Suartini 721, 723
 Subba Rao, B. R. 2346
 Subba Rao, M. V. 7202
 Subba Rao, P. V. 1387,
 2116, 3730, 7363
 Subbiah, K. K. 4846
 Subramaniam, T. R. 488,
 827, 832, 836, 837, 886,
 888, 894, 1044, 1387,
 1446, 1963, 2081, 2090,
 2097, 2116, 2800, 2984,
 2985, 2987, 3125, 3152,
 3495, 3730, 5070, 5079,
 6144, 6164, 6187, 6327,
 6339, 6340, 6634, 6882,
 7349, 7492, 7494
 Subramanian, A. 1962,
 4851, 4857
 Subramanya, B. V. 1239
 Suchwant Singh 3599
 Suchý, M. 6382, 7082
 Sud, V. K. 328
 Suda, D. 2568
 Sudarwohadi 729, 730
 Sudha Nagarkatti 1882
 Suematsu, A. 5262
 Suett, D. L. 1466, 4581,
 6166
 Sugawara, H. 3841
 Sugawara, R. 605, 1071
 Sugiyama, T. 4554
 Sugonyaev, E. S. 6014,
 7004, 7186
 Suharni Siwi, S. 723
 Sujud 728, 730
 Sukhareva, S. I. 6526
 Sukheja, H. S. 393
 Sukhorada, E. M. 3126
 Sukumar, K. 5894
 Suleimenov, B. M. 7239
 Sullivan, C. R. 5352
 Sullivan, M. J. 2915
 Sullivan, S. L. 4259
 Sullivan, W. N. 648
 Sultana, N. 2085
 Sumarokov, A. F. 6352
 Sumimoto, M. 1068, 1073,
 3755
 Summerlin, J. W. 4196,
 5910, 5990
 Summers, C. G. 302,
 2574, 2820, 2840, 3604,
 3860, 3915, 5518, 5867,
 6706
 Summers, M. 6912
 Summers, M. D. 4451
 Summers, T. E. 238
 Sun, C. N. 4331
 Sun, C. Y. 3413
 Sun, M. K. C. 460
 Sundarababu, P. C. 893
 Sundaram, K. M. S. 3302
 Sundaramurthy, N. 3003
 Sundaramurthy, V. T.
 5217, 6327
 Sunderland, K. D. 4254,
 4772
 Sundström, G. 3306
 Suntsova, M. P. 4810,
 5388
 Suomalainen, E. 7096
 Supak, J. R. 4357
 Surachman, E. 720
 Surgeoner, G. A. 3555
 Surholt, B. 3522, 5428
 Surles, W. W. 2742, 2761,
 3566
 Susidko, P. I. 6073
 Suski, Z. W. 6718, 7572
 Süss, L. 2118, 6174, 6201,
 6375
 Sutantawong, M. 3237
 Suter, H. 6678
 Suteri, B. D. 4952, 6776
 Sutherland, O. R. W.
 1713, 4123, 6076
 Suto, C. 3148

- Sutter, G. R. 2211, 4732, 6629
- Sutton, R. A. 2892, 5585
- Suwanai, M. 2167, 4440
- Suzuki, D. T. 3242, 6514
- Suzuki, K. 481, 4060
- Suzuki, T. 1059, 3755, 5703
- Suzuki, Y. 636, 6061
- Švataráková, L. 1031
- Svec, H. J. 877, 2793, 6359, 6360, 6989
- Svensson, G. 975, 5595
- Svensson, G. 5743, 5744
- Svensson, I. 6812
- Šverdllov, E. 5322
- Švestka, M. 436, 437, 6904
- Švetlichný, N. E. 5492
- Švihra, P. 2152
- Swadener, S. O. 4804
- Swailen, S. M. 3511
- Swales, G. E. 2041, 2916, 3398
- Swain, W. R. 5048
- Swamiappan, M. 2090, 7354
- Swanson, C. R. 4540
- Swatonek, F. 1546
- Swejda, J. 4782
- Swennen, A. A. 3960
- Swenson, K. G. 1449
- Swigar, A. A. 61
- Swineford, D. M. 6410
- Swirski, E. 1988, 2721, 6743, 7217, 7324
- Sydor, W. J. 4708
- Syed, R. A. 5998
- Sylvén, E. 5595
- Syme, P. D. 628, 1283
- Symmons, P. M. 1809
- Synave, H. 6441
- Synnatschke, G. 1614, 5380
- Szalay-Marzsó, L. 5733
- Szalkowski, M. B. 4582
- Szathmáry, B. 4307
- Szczepańska, K. 355, 2281
- Szegény, A. 4307
- Szelegiewicz, H. 7144
- Szelényi, G. 2012, 2630
- Szent-Ivány, J. J. H. 5630
- Szentesi, A. 3234, 5315, 5900, 6148
- Szeto, S. Y. 6981
- Szith, R. 2089
- Szmidt, A. 7420, 7423
- Szöllösi, A. 4675
- Szontágh, P. 2618
- Szprengier, T. 6970
- Szwejda, J. 1443, 2918
- Szyszkowski, J. 5005
- Szyszkowski, M. 1771
- Taboada, O. 331
- Tachibana, K. 4157, 7062
- Tachikawa, T. 785, 786, 1911
- Tadić, M. 4706, 5121, 6546
- Tadros, F. E. 2546, 2547
- Tadros, M. S. 3619
- Taft, H. M. 519, 2998
- Tagarro, P. 3454
- Tager, H. S. 2441
- Taguchi, H. 2338
- Taha, F. A. 7667
- Tahori, A. S. 3487, 4019, 4044
- Tai, H. 5146, 6401
- Tai, T. D. 806
- Taiwan Agricultural Research Institute 3974
- Takada, H. 1096, 4078
- Takagi, K. 2109
- Takagi, M. 636
- Takagi, S. 2321, 2357
- Takahashi, F. 29, 30, 609, 1290, 7636
- Takahashi, H. 7456
- Takahashi, I. 4845
- Takahashi, S. 7681
- Takahashi, Y. 1657
- Takao, I. 3836
- Takasaki, T. 7456
- Takeda, M. 1803
- Takeda, S. 4059
- Takei, G. H. 4032
- Takematsu, A. P. 7329, 7390
- Takemoto, T. 4062, 5260
- Takeuchi, S. 4023
- Takigawa, N. 669
- Takigawa, T. 2445
- Takizawa, Y. 3739
- Takla, N. S. 5797
- Taktsdal, G. 4279
- Talbot, B. G. 6481
- Talbott, T. D. 6385
- Tale, Y. M. 2061
- Taley, Y. M. 4871, 4955
- Talgeri, G. M. 6071
- Talhok, A. S. 4894, 4895, 6097, 7550
- Tamaki, G. 346, 1465, 3633, 7372
- Tamaki, Y. 62, 63, 603, 1747, 1778, 2405, 5872
- Taman, F. 1488
- Tamashiro, M. 4032
- Tamura, M. 7453, 7454
- Tan, G. S. 4381, 4382
- Tan, K. H. 1792, 2317
- Tan, S. W. 259
- Tanada, Y. 472, 2191, 2231, 2240, 6338
- Tanaka, A. 3846, 5360, 5367
- Tanaka, K. 3597
- Tanaka, M. 336, 1229, 5581
- Tanaka, N. 5130
- Tanase, V. 273, 998, 1350, 6671
- Tanasijević, N. 5526
- Tandon, G. N. 4016
- Tandon, P. L. 4920, 5634
- Tandon, S. K. 855
- Tanigoshi, L. K. 2554, 3469, 3470
- Tantawi, M. El- 1132, 1133, 3171, 4671
- Tantawy, G. 2926, 3274, 3685, 3961, 4963, 6987, 6988, 7653, 7654
- Tantera, D. M. 2931, 3121, 6876
- Tao, C. C. 6748
- Tao, C. C. C. 3636
- Tardif, J. G. R. 3505
- Tarragó, M. F. S. 281
- Tarroux, P. 4028, 4667, 5258
- Taschenberg, E. F. 4073, 4502, 5888
- Tashiro, H. 3818, 4290, 4466
- Tashiro, Y. 5244
- Tasmanian Department of Agriculture, Entomology Division 6915
- Tätaru, V. 2769
- Tate, K. G. 2073, 5554
- Tatsuki, S. 5266, 5267
- Tat'yanskaite, L. 5281
- Tauber, C. A. 187, 551, 647, 1309, 4704, 5350, 5967, 6008
- Tauber, M. J. 187, 647, 1309, 1639, 4704, 5350, 5967, 6008
- Tavares Pedrosa, F. N. 3675, 3696, 4760, 4956
- Tawfik, M. F. S. 178, 179, 3589, 3704, 4773, 4774, 4775, 4776, 4836, 5506
- Tayebi, J. 2550
- Taylor, P. 7600
- Taylor, A. W. 4574
- Taylor, B. 4393
- Taylor, C. E. 1996, 6335
- Taylor, C. R. 111, 7153
- Taylor, G. 4173
- Taylor, J. K. 6317
- Taylor, J. W., Jr 1508

- Taylor, L. R. 85, 1372,
2734, 6143
- Taylor, P. L. 1193
- Taylor, R. G. 6143
- Taylor, T. A. 941, 2009,
6145, 6226, 6244, 6615
- Taylor, W. E. 833
- Tazima, Y. 5312
- Tea Research Association,
Calcutta 2108
- Tedders, W. L. 7297
- Teel, P. D. 5908
- Teetes, G. L. 294, 2817,
6074, 7276
- Teitzel, J. K. 298
- Telfer, W. H. 2391
- Temizer, A. 7565, 7566
- Templado, J. 342, 1161,
3774, 6583
- Ten Houten, J. G. 2637
- Tengan, L. S. 7665
- Tengkano, W. 722, 723
- Teocchi, P. 2076
- Teotia, T. P. S. 2079,
4076, 5891
- Ter-Minasyan, M. E. 6613
- Ter Velde, H. J. 4086
- Teran, A. L. 3638
- Terán, H. R. 1798
- Terauds, A. 2679, 2680,
7164
- Terent'ev, S. N. 5676
- Tereshchenko, V. E. 6818
- Tereznikova, E. M. 6721
- Terhorst, A. 2054
- Termier, M. 5242
- Terriere, L. C. 1655
- Terry, P. H. 1155
- Teruya, T. 5893
- Tešić, T. 1343, 5754
- Teskey, H. J. 7277
- Tette, J. 4073
- Few, R. P. 6110
- Texas Agricultural
Experiment Station
4344, 4374
- Thakre, D. S. K. 274
- Thakur, J. R. 2051, 3093,
7028
- Thakur, R. C. 1477
- Thakur, S. C. 6205
- Thalenhorst, W. 1527,
3061, 3062, 5685
- Thanassouloupoulos, A. C.
3201
- Changavel, P. 2097, 6781
- Thatcher, R. C. 5020,
5021
- Thériault, L. M. 4941
- Theron, J. G. 13, 1430,
3995
- Theunissen, J. 2374, 3968,
5135
- Theunissen, J. A. B. M.
7093
- Thewis, M. 7511
- Thiault, J. 7563
- Thibout, E. 569, 2499
- Thiele, S. 5186
- Thiem, H. 2170, 2171,
4442, 4443, 6309
- Thimmaiah, G. 2093,
3708, 5520, 6185, 7391,
7392
- Thiolliere, J. 3950
- Thirumurthi, S. 836, 837,
888, 1044, 6187
- Tho Yow Pong 3560
- Thobbi, V. V. 2978
- Thomas, B. 937, 7259,
7271
- Thomas, B. W. 6978
- Thomas, D. 2207
- Thomas, G. M. 4483
- Thomas, H. A. 923, 1520,
3928, 5090
- Thomas, J. A. 3035
- Thomas, J. W. 3674
- Thomas, K. P. 1651
- Thomas, M. J. 290, 950,
1471, 2976, 3151
- Thomas, P. L. Bhatnagar-
59
- Thomas, R. C. 6609
- Thompson, A. C. 72,
1483, 4686, 4724, 6483
- Thompson, A. R. 802,
3948
- Thompson, C. G. 1521
- Thompson, L. C. 3833
- Thompson, L. S. 3564
- Thompson, R. H. 5176
- Thompson, S. N. 663,
6478
- Thompson, T. E. 2836
- Thomson, C. G. 1284
- Thomson, E. M. 6336
- Thomson, J. A. 2392
- Thong, C. H. S. 2230,
4465
- Thongdeetaa, S. 3179
- Thontadarya, T. S. 2983,
3570, 3657, 4430, 4474,
4848, 6070, 6699, 6772,
6896, 7383
- Thorbecke, H. 3954
- Thornton, I. W. B. 2809
- Thottappilly, G. 947, 3116
- Thron, E. 2740
- Thurston, R. 2305
- Thwaite, W. G. 5567,
6722
- Thygesen, T. B. 3728
- Ticheler, J. 3968, 5135
- Tidwell, A. L., Jr. 1227,
3408
- Tiefenau, P. G. de 3372
- Tigani, M. E. A. El 7517
- Tikhomirova, A. L. 1219,
6458
- Til'menbaev, A. T. 7235
- Tilton, E. W. 3792, 6259
- Timofeeva, T. V. 6017
- Timokhin, V. A. 6907
- Timraleev, Z. A. 6157
- Ting, W. P. 2189
- Tingey, W. M. 390, 1378,
2375, 4259
- Tingle, F. C. 4725
- Tinsley, T. W. 953, 4451,
7624
- Tipnis, H. P. 5057
- Tippins, H. H. 318, 2366,
3025
- Tisler, B. B. 1619
- Tissier, J. 2657
- Titi, A. El 2920, 3832
- Titov, D. A. 7159, 7204
- Tittanen, K. 5743, 5744
- Tiwari, C. B. 3582
- Tiwari, L. D. 2243
- Tiwari, N. K. 2709, 2982
- Tjia, B. 7440
- Tjying, I. S. 1403
- Tkach, M. T. 7399
- Tkachenko, A. K. 5453
- Tkachev, V. M. 6107
- Tkalich, P. P. 7397
- Tkho, Chan 1598
- To, W. N. 2235
- Toba, H. H. 7372
- Tobe, S. S. 172, 1136,
3394, 5884
- Tobias, V. I. 182
- Todd, J. W. 2180, 2923,
2934, 4949, 7187
- Todoroki, A. 5515
- Todorov, V. D. 5745
- Todorovski, B. 2614
- Todorovski, B. V. 4985
- Todorovski, V. B. 6298
- Togashi, I. 1932, 2812
- Toit, G. D. G. du 5960
- Tokgaev, T. 735
- Tokhirov, A. 3305
- Tokumitsu, T. 132
- Tolin, S. 3120
- Tolin, S. A. 460
- Tollefson, J. J. 2788, 3592
- Tomašević, B. 4326
- Tomatis, L. 3320
- Tomblin, C. F. 4103
- Tomer, R. P. S. 4437
- Tomida, E. 2808
- Tomizawa, C. 5159, 5785

- Tomlin, A. D. 1054, 3304
Tomlinson, A. I. 1937
Tompkins, G. J. 2204
Tonolo, A. 2656
Tonzetich, J. 4659
Toom, P. M. 5259, 5861
Toor, H. S. 1696
Topham, M. 4781
Torda, T. 227
Toribio, J. A. 6982
Torii, T. 1358, 3739, 3847, 3848
Torres, A. Chávez 1934, 2001
Torres B., M. 707
Toscano, N. C. 3712, 6085, 6190
Tosheva-Tsvetkova, Ts. 4622, 4623, 5323, 5357
Tošić, D. Simova- 4713, 5563
Tošić, M. 3804, 4930
Tosso, A. B. de 7480
Tóth, M. 6148
Totlyakova, S. 1417
Touron, E. A. 698
Touzeau, J. 3497, 3498, 7549
Tovar, J. Gómez 697
Townes, H. K. 6024
Toye, B. O. 4586
Toyohara, H. 6689
Trammel, K. 2884, 3460, 7638
Tranfaglia, A. 1426, 6713
Trautmann, K. H. 7084
Travers, R. S. 959, 1580
Traynier, R. M. M. 2967
Treat, A. E. 5979
Trefrey, D. 3868
Tregubenko, E. S. 5996
Treherne, J. E. 2388
Trelease, R. N. 1780
Tremblay, E. 125, 970, 2555, 5578, 6484, 6542, 6624, 6625
Trenchev, G. 7189
Tribel', S. A. 5402, 7278
Trier, K. H. 1660
Triggiani, O. 1407, 1408
Trincal, J. 5390
Tripathi, B. P. 4437
Tripathi, G. M. 267
Tripathi, R. C. 2380
Tripathi, R. N. 5903
Triplehorn, C. A. 656
Trivelli, H. dell'Orto 6245
Trofimov, S. B. 2727, 5284, 5882
Tröger, E. J. 1822
Trojan, P. 2838
Trojanowski, H. 512, 1464
Trollet, A. 4837
Trommer, R. 4520
Trottier, R. 1420
Truckenbrodt, W. 212
Trueman, D. K. 4736
Tryapitsyn, V. A. 550, 6998
Tsacas, L. 7129, 7130, 7131
Tsachev, S. 7208
Tsai, J. H. 6054, 6087
Tsai, P. H. 1922
Tsai, W. S. 3413, 4441
Tsalbukov, P. 224
Tsalev, M. 2022
Tsankov, G. 2178
Tsao, C. H. 963, 2735, 5728
Tschinkel, W. R. 2403
Tsekhanovskaya, E. F. 6621
Tseng, Y. H. 1403, 5833
Tsiropoulos, G. J. 7295
Tsitispis, J. A. 5136, 5896, 7043
Tsour, S. 4889
Tsugane, R. 7107
Tsuji, H. 632, 4095
Tsuji, Y. 5701
Tsukano, Y. 1061
Tsukuda, R. 76, 1126, 1152, 1790, 1791, 2487, 7100
Tsutsui, K. 3597
Tsvetkova, Ts. Tosheva- 4622, 4623, 5323, 5357
Tsybul'skaya, G. N. 5444
Tucker, C. L. 1452
Tucker, L. C. 958
Tudor, I. 7421
Tuduri, J. G. 2904
Tugwell, P. 2523
Tulisalo, U. 2524, 3051, 5635
Tumlinson, J. H. 2413, 4047
Tummala, R. L. 653
Tuncyurek, M. 5104, 5105, 6122, 6131
Tunstall, J. P. 4501
Tuovinen, T. 5635
Turchinskaya, I. A. 5280
Turishcheva, N. A. 5491
Türkmen, Ş. 2965, 6602
Turnbull, S. A. 2793, 2914, 7658
Turner, A. E. 4190
Turner, B. C. 1704
Turner, B. D. 2
Turner, C. R. 3936
Turner, J. E. 346, 1465
Turner, W. J. 2493
Turner, W. K. 575, 4643
Turner, W. V. 4539
Turnipseed, S. G. 365, 366, 2934, 2935, 3822, 4949, 5972
Turtle, E. E. 6268
Turunen, S. 33, 1758, 2382, 2400, 2421, 3280
Tutevich, M. T. 5751
Tuttle, C. 4134
Tuttle, D. M. 1097, 1722, 1727
Tychsen, P. H. 4758
Tyler, B. M. J. 6050
Tyler, P. S. 6857
Tyrrell, D. 4482, 5984, 6890
Tzanakakis, M. E. 4026, 4101
Tzoras, A. 6129, 6626
Ubik, K. 5873
Uchida, N. 5535
Uchiumi, K. 5266, 5267
Uchiyama, M. 1059, 5158
Uddin, Shuja- 5233
Udean, A. S. 7470
Ueckert, D. N. 3562
Ueda, K. 534, 1695
Uejii, M. 1828
Uematsu, H. 4213
Uemura, M. 5580
Ulagaraj, S. M. 1796, 1861, 1868, 6468
Ullah, Sana- 2749
Uluer, C. 4380
Umarov, Sh. A. 386, 6920
Umeya, K. 645, 3200, 4136, 4174
Umgelter, H. 6811
Unai, T. 6948
Underhill, E. W. 3422
Ungaro, M. T. 3337
Ungaro, M. T. S. 1558
United Kingdom, Agricultural Research Council 6427
United Kingdom, Ministry of Agriculture, Fisheries and Food 545, 876, 2043, 2691, 2956, 4181, 4194, 4352, 4749, 4763, 6302
United Kingdom Ministry of Overseas Development 6605, 6740, 6968
United Nations Development Programme, Inter-Regional Training Project 5089

- United States Department of Agriculture 219, 220, 221, 897, 2860, 3584, 3585, 3586, 3587, 3588, 3609, 4143, 4144, 4145, 4146, 4147, 4148, 4149, 5603, 5919, 5920, 6024, 6055, 6202, 6425, 6744, 7143, 7197, 7319
- United States Department of Agriculture, Agricultural Research Service 7396
- United States, Federal Working Group on Pest Management 3486
- University of Botswana, Lesotho and Swaziland, Agricultural Research Division 5221
- University of British Columbia 6514
- University of Ibadan 6605
- Unterstenhöfer, G. 3206
- Upadhyaya, V. K. 3731
- Ur-Rab, M. Zaka- 3544, 6825
- Urago, T. 2568, 3506
- Urquhart, D. H. 4384
- Urrelo G., R. 1434
- Urs, K. C. D. 1239
- Urueta, E. J. 4323
- Urueta Sandino, E. 7289
- Urueta Sandino, E. J. 4739, 5652
- Usciati, J. Cals- 6454
- Usenbo, E. I. 2087
- Ushchekov, A. T. 6354
- Usherwood, P. N. R. 745, 746, 2429
- Usman, K. M. 864
- Utida, S. 6299
- Utrobina, N. M. 2601
- Uusvaara, O. 2177
- Uwo, J. Nishiitsutsuji- 2223, 4069, 4473, 6894
- Uyemoto, J. K. 4925
- Vaajakorpi, H. A. 7641
- Vagina, N. P. 2517
- Vago, C. 5733
- Vail, P. V. 2999, 6346, 6912
- Vainshstein, B. A. 7003, 7010
- Vaishampayan, S. M. 4703, 5344
- Vaissyayre, M. 2529
- Vakenti, J. M. 2871
- Valadon, G. 2402
- Valadon, L. R. G. 6509
- Valange, B. 5150, 7647
- Valdivia M., R. 156
- Valencia V., L. 156, 176
- Valentine, E. W. 1895, 3579, 3650, 3691
- Valéro, J. 7435
- Vallejo, R. P. 7151
- Valley, K. 6653
- Vallo, V. 7556
- Vallotton, R. 3608
- Van Achterberg, C. 6444
- Van Blarcum, C. L. 6385
- Van Brussel, E. W. 2893, 4997
- Van Daele, E. 3028
- Van de Bund, C. F. 2583, 4740, 4741
- Van de Steene, F. 2651, 2653, 6773
- Van de Veire, M. 2658, 5296, 5297
- Van de Veire, M. F. 4066
- Van de Voorde, H. 2645
- Van de Vrie, M. 505, 4512
- Van Delden, W. 2456
- Van den Assem, J. 4225
- Van den Berg, M. A. 1506
- Van den Bos, J. 6847
- Van den Bosch, R. 388, 898, 2254, 3158, 7635
- Van den Broek, A. T. M. 587
- Van den Broek, W. 1569
- Van den Driessche, J. 5804
- Van den Oever, H. A. M. 730
- Van der Mespel, G. J. 2073
- Van der Plank, J. E. 6376
- Van Dijk, P. J. 2645
- Van Dijk, H. 2456
- Van Dyck, L. P. 5945
- Van Dyk, L. P. 3884, 5817
- Van Emden, H. F. 5143, 5368, 6766
- Van Etten, J. 4790
- Van Frankenhuyzen, A. 1319, 2129, 6719
- Van Geldermalsen, M. 1421
- Van Gerwen, A. C. M. 1863, 2685, 4757, 5419
- Van Halteren, P. 713, 716, 723, 724, 725, 7257, 7272
- Van Hamburg, H. 5952
- Van Handel, E. 100, 6475
- Van Harten, A. 4207, 4208, 6452
- Van Heemert, C. 2460, 3243
- Van Lenteren, J. C. 2492
- Van Middeltem, C. H. 6980
- Van Rensburg, N. J. 5952
- Van Rinsvelt, H. A. 2697, 5311
- Van Rossem, G. 2583, 4740, 4741
- Van Rossen, A. R. 2311
- Van Schoonhoven, A. 4940
- Van Steenwyk, R. A. 3712, 4292
- Van, T. F. 1966
- Van Vreden, G. 717, 721, 722, 723
- Van Zon, A. Q. 4075, 4546
- VanCleave, H. W. 5908
- Vandenburgh, M. K. 7076
- Vander Meer, R. K. 4155
- VanDerSlik, A. L. 5170
- Vanderveken, J. 2665
- VanDerwerker, G. K. 507
- Vanderzant, E. S. 2566
- Vaněk, J. 2596
- Vangeison, K. W. 106
- Vaňková, J. 1595, 6904
- Vannier, G. 7166
- Vanwetswinkel, G. 983, 3313, 4512
- Vardanis, A. 1684
- Vardell, H. H. 450, 4683
- Varenik, I. A. 6637
- Varga, G. 2614
- Varga, Z. 2623
- Vargas C., H. 699
- Vargas de Oliveira, J. 4767
- Vargová, M. 6963
- Varis, A. L. 1850, 3350, 3351, 3352, 4962
- Varjas, L. 597, 598, 5883, 7085
- Varju, D. 2510
- Varkonda, S. 6963
- Varma, A. 2053
- Varma, B. K. 4432
- Varma, G. C. 2114, 4788, 5080, 7198, 7200
- Varshalovich, A. A. 6868
- Vartanian, G. 1109, 2454
- Vasantharaj David, B. 5464, 5632
- Vasarainen, A. 2823
- Vasile, I. 847
- Vasilev, L. S. 4985
- Vasilev, S. L. 6298
- Vasil'ev, S. V. 1215
- Vasil'eva, V. S. 5286, 5289
- Vasiljević, L. 2251, 3813
- Vassilaina-Alexopoulou, P. 4913

- Vats, L. K. 7026
 Vaughan, A. W. 6203
 Vaz, F. A. C. 3337
 Vaz Milheiro, A. D. 1535
 Vazquez, A. W. 6300
 Vázquez de Ramallo, N. E. 477
 Vdovichenko, S. M. 5530
 Veal, E. V. 3688, 4195
 Veazey, J. N. 6525
 Veenendaal, R. L. 1114
 Veeresh, G. K. 846, 1298, 3578
 Veire, M. F. van de 4066
 Veire, M. Van de 2658, 5296, 5297
 Veith, G. D. 6411
 Velarde R., O. 673, 3215
 Velasco P., H. 1363
 Velayutham, B. 1964
 Velde, H. J. Ter 4086
 Vélez Angel, R. 2703
 Vélez, J. Rodríguez 3449
 Velichkova, M. 2242
 Velimirović, V. 5548, 7320
 Velusamy, R. 832, 2800, 4847, 4851, 4857
 Vendamoorthy, G. 4116
 Venger, N. G. 7236
 Venkataramaiah, G. H. 148
 Venkataraman, A. 828
 Venkatesh, M. V. 1258, 1261, 1264, 3527, 4654, 4752, 7167
 Venkatnarayanan, D. 7349
 Ventura, D. F. 5291
 Venturini, V. 1995
 Venugopal, J. S. 5764
 Venugopal, M. S. 824
 Vereshchagin, B. V. 2590, 2591
 Vereshchagin, S. M. 6612
 Vereshchagina, V. V. 2591
 Vergara, A. Briceño 5847
 Verhoyen, M. 4511
 Verigin, V. F. 7341
 Verma, A. 5510
 Verma, A. N. 2044, 2075, 2080, 2867, 2975, 3329, 3582, 3648, 3905, 5372, 6042, 6449
 Verma, B. R. 2274, 4874
 Verma, H. N. 6177
 Verma, J. P. 1890, 3697
 Verma, N. D. 1482, 2044, 2181, 2975, 3582, 6809
 Verma, P. S. 579, 4648
 Verma, R. R. 6032
 Verma, S. 6770, 6975, 6976
 Verma, S. K. 5926
 Verma, S. N. 2095
 Verma, V. S. 1502
 Veronese, G. 3228
 Versluis-Helder, M. 5791
 Vervelle, C. 4460, 7497
 Veselinov, D. 1382, 7237
 Vesk, M. 4007
 Vettorazzi, G. 3887
 Veuthey, R. 3862
 Vey, A. 489
 Veyrunes, J. C. 1242
 Vibhute, K. S. 4871
 Vicente-Chandler, J. 1975
 Vick, K. W. 6301
 Vickerman, G. P. 4254
 Victor, P. A. 4572
 Vidal, C. U. de 7479, 7480
 Videnova, E. 1581
 Vieira da Silveira, M. 1440
 Vieira, F. V. 4947
 Viggiani, G. 17, 1384, 1412, 1643, 2337, 5106, 6125, 6132, 6133, 6551, 6552, 6626, 6713, 6735, 6741, 6905, 7301
 Viitasaari, M. 3770, 5234
 Vijay, N. S. 6188
 Vijaya Raghavan, M. 4116
 Vijayambika, V. 2367, 2368, 2369
 Vikberg, V. 4605
 Viktorov, G. A. 2528, 2727, 5284, 5670
 Vilardebo, A. 5100
 Vilas Boas, A. M. 6669
 Vilbaste, J. 6433
 Villacis S., J. 681, 682
 Villacorta, A. 139, 401, 3012
 Villacorta, W. 704
 Villalon, B. 3139
 Villavaso, E. J. 47, 1768, 3397
 Villiers, E. A. De 4327
 Vincent, B. 2553
 Vincent, J. F. V. 2283, 4192, 4758, 6490
 Vincent, J. J. 3630
 Vincent, L. E. 442
 Vincinaux, C. 2660, 2662
 Vincke, P. P. 4815
 Vinš, B. 436
 Vinson, S. B. 752, 781, 1654, 2224, 2232, 4202, 4795, 5461, 5468, 5968
 Vir, S. 7120
 Viramo, J. 3104, 5251
 Virgona, C. T. F. 7089
 Viscontini, M. 2690
 Viscuso, R. 3378
 Vishakantaiah, M. 3578, 3676, 4371, 7333
 Visser, J. 1123
 Viswanath, B. N. 158, 1478, 4762
 Viswanathan, T. R. 7044
 Visweswara Gowda, B. L. 4762
 Visweswariah, K. 3884, 6414
 Vité, J. P. 925, 3042, 3870, 5027
 Vlug, H. J. 327, 7014
 Voegelé, J. 1305
 Voegelé, J. 2571
 Voegelé, J. 5502, 6005, 6454, 7232
 Voerman, S. 127, 1069, 5790
 Vogelsänger, D. 7160
 Voigt, E. 317
 Vojnits, A. 2613
 Volker, K. C. 3552
 Volney, W. J. A. 2545
 Von Salis, G. 5661
 Von Waldenfels, J. 3071
 Von Windeguth, D. L. 3218
 Von Wyl, E. 6512
 Voorde, H. van de 2645
 Vora, V. J. 7326, 7344
 Voronin, K. E. 6352
 Voss, E. 1090
 Vovk, A. M. 2701
 Vowell, T. E., Jr. 3036
 Vrabl, S. 5547
 Vreden, G. van 717, 721, 722, 723
 Vrie, M. van de 505, 4512
 Vrkoč, J. 429, 5873
 Vrochinskii 6943
 Vu Kuang Kon 6014, 7186
 Vulčić, M. 2659
 Vulsteke, G. 2653
 Vulsteke, G. 6773
 Vungsilabutr, P. 3596
 Wachowiak, M. 373, 7423
 Wada, K. 1229
 Waddill, V. 99, 2474, 2939, 5439
 Wade, C. F. 1572
 Wade, E. K. 285, 349, 358, 1455
 Wade, L. J. 5638, 6074
 Wadhvi, S. R. 2274, 4874, 6199, 7323
 Waghmare, S. S. 503
 Wagner, D. H. 5169
 Wagner, R. E. 2567

- Wahab, A. E. A. 1448,
 2925, 3440, 3441, 3539,
 3658, 3661, 4205, 4206,
 4777
 Wahab, A. M. Abdel-
 3898
 Wai Nam To 2235
 Waide, J. B. 7412
 Wainman, H. E. 3793
 Waite, R. A. 4408
 Waiyaki, J. N. 257, 260
 Wajc, E. 744
 Wakamura, S. 7681
 Wake, C. T. 2451
 Wakid, A. F. M. 2462
 Wakisaka, Y. 2223
 Walcher, H. Pschorn-
 1514, 1883, 1925
 Waldbauer, G. P. 2941,
 4655, 4703, 5344, 5608,
 7357
 Waldenfels, J. von 3071
 Walder, J. M. M. 75, 3236
 Walgenbach, D. D. 4390
 Walker, C. 4423, 5666,
 5695
 Walker, C. H. 3271, 3336,
 4572, 6983
 Walker, D. J. 1674
 Walker, D. W. 3255
 Walker, F. 1717
 Walker, J. 7602
 Walker, J. T. 366
 Walker, P. T. 1848, 3936,
 6379
 Walker, S. D. 2974
 Walker, T. J. 6525
 Walkowski, W. 1570
 Wall, C. 2052
 Wall, R. 3678
 Wallace, D. R. 5352
 Wallace, M. M. H. 967
 Wallbank, B. E. 6288
 Wallcave, L. 1690
 Waller, J. M. 1848
 Wallace, D. R. 5352
 Wallace, M. M. H. 967
 Wallbank, B. E. 6288
 Wallcave, L. 1690
 Waller, J. M. 1848
 Wallner, W. E. 3555, 6575
 Waloff, N. 195
 Waloff, Z. 2683
 Walters, M. C. 967, 5507,
 5958
 Wang, D. I. 4293
 Wang, Z. N. 247, 255
 Wapshire, A. J. 1330,
 2743, 2744, 2760
 Warchalowski, A. 4611
 Ward, C. L. 4659
 Ward, C. W. 37, 5862,
 5863, 5864, 5865
 Ward, D. V. 3922
 Ward, O. G. 2451
 Ward, R. d'Arcy 1781
 Ward, R. H. 2377, 3444
 Wardlow, L. R. 3937,
 5546, 5794
 Ware, G. W. 2249, 2997,
 5819, 6374, 6393
 Warmbrunn, K. 1600
 Warner, R. W. 303
 Warthen, J. D. 3421
 Waser, P. G. 2398
 Washizuka, Y. 1807
 Wassermann, D. 3320
 Wassermann, M. 3320
 Wasserthal, L. T. 4042
 Wasti, S. S. 207, 1593
 Watanabe, C. 773, 3843
 Watanabe, H. 485, 2198,
 2236
 Watanabe, N. 645
 Watanabe, Y. 5582
 Waterhouse, D. F. 6906
 Waters, W. E. 992, 2263,
 5022
 Watson, A. 3354
 Watson, F. L. 2381
 Watson, J. A. L. 1269
 Watson, M. A. 4961
 Watson, T. F. 3007, 5324,
 5441, 6374, 6916
 Watson, W. 5184
 Watson, W. Y. 3761
 Watt, J. C. 10
 Watters, F. L. 6250, 6860
 Wattle Research Institute
 5220
 Watts, W. S. 7512
 Watve, C. M. 3902
 Waugh, W. T. 6434
 Wave, H. E. 878
 Way, M. J. 3966, 6906
 Waynick, H. L. 330
 Wazir, J. S. 3516
 Wazny, J. 5713
 Wearing, C. H. 1422,
 1423, 2015, 2016, 2270
 Weatherston, J. 6836
 Weaver, K. 3059
 Weaver, R. J. 3394, 5884
 Weaving, A. J. S. 1547,
 1672
 Webb, D. P. 7424
 Webb, D. R. 2489, 3457,
 4195, 4557
 Webb, J. C. 4012
 Webb, R. E. 3026, 5406
 Webb, S. R. 2205
 Weber, H. 6426
 Weber, R. G. 2475, 6456
 Webley, D. J. 501
 Webster, J. A. 2782, 4517
 Webster, J. M. 2230, 4465
 Weddon, T. E. 7606
 Weeks, R. E. 190, 1168,
 1915, 2521
 Weeks, W. W. 7398
 Weems, H. V., Jr. 6756
 Weeraratne, H. 4856
 Wegmann, I. Kayser- 574
 Wegorek, W. 1982
 Wehner, R. 2433
 Wehnt, E. J. 7294
 Wei, H. L. 6748
 Weiden, M. H. J. 1023
 Weidling, H. 5727
 Weidner, H. 213, 1249,
 2674, 2770, 5698, 5763,
 6426
 Weigand, G. 1276, 2949
 Weighton, D. M. 3940,
 3957
 Weis-Fogh, T. 6596
 Weisberg, S. 507
 Weiser, J. 1589, 2195,
 2201, 2868, 6480
 Weisgerber, I. 1703, 5821,
 6422
 Weismann, L. 580, 1031
 Weismann, L'. 1659, 1767,
 5792
 Weizel, T. 275
 Welborn, C. E. 646
 Welch, S. M. 7502
 Wellenstein, G. 3030
 Wellington, W. G. 3476,
 4025, 5216
 Wellso, S. G. 2477, 2782
 Welsh, R. D. 3186
 Welter, M. 527, 528, 529,
 3318
 Welton, M. A. 4482
 Weltzien, H. C. 6594
 Wenham, M. J. 4759,
 5306
 Went, D. F. 4615
 Werner, R. A. 3901
 Weseloh, R. 3750
 Weseloh, R. M. 926, 4566,
 5144
 Wesselinoff, G. D. 755
 Wessels, C. 1048
 West, R. P. 2560
 Westcott, N. D. 4744
 Westigard, P. H. 3632,
 7317
 Wetzel, T. 1000, 4252,
 4522, 5490, 5496
 Whalley, P. E. S. 3354
 Wheatley, G. A. 3948,
 3969
 Wheeler, A. G., Jr. 2412,
 6553, 6614, 6653, 7127
 Wheeler, W. B. 6980
 Whellan, J. A. 3, 6435
 Whigham, T. L. 3562

- Whitcomb, W. H. 780,
2534, 2698, 3534, 3548,
4197, 4722, 6525
- White, B. N. 2404
- White, C. M. 5815
- White, D. 4616
- White, D. H. 7668, 7669
- White, E. G. 741, 1833,
1974, 2272, 2831
- White, G. D. 5709
- White, J. D. 5090, 5307
- White, J. R. 5638
- White, L. D. 2877, 3431,
3434, 4081, 4160, 7303
- White, M. B. E. 6851
- White, M. J. D. 4682
- White, T. C. R. 1228
- Whitebread, S. E. 4403
- Whitehead, D. 5625
- Whitehead, D. R. 1729,
7020
- Whitehead, V. B. 4203
- Whitehouse, L. W. 3330
- Whitlock, V. H. 4158
- Whitmore, J. L. 2143
- Whitmore, R. W. 5935
- Whitney, W. K. 6262,
7604, 7605
- Whittaker, J. B. 5250
- Whitten, C. J. 535, 1036
- Whitten, J. M. 7038, 7039
- Wiackowski, S. K. 1694
- Wichmann, J. K. 4630
- Wickham, J. C. 5798
- Wickman, B. E. 3075
- Wickramasinghe, N. 536
- Widstrom, N. W. 4260,
7241, 7242
- Wiebes, J. T. 5226
- Wiebes-Rijks, A. A. 424
- Wiedijk, F. 4997
- Wiendl, F. M. 75, 3236
- Wieneke, J. 6974
- Wiens, J. E. 7155
- Wiersma, G. B. 1683,
5146, 6401
- Wiesmann-Piening, B.
2559
- Wigglesworth, V. B. 2388,
6596, 7038
- Wightman, J. A. 1368
- Wijnands-Stab, K. J. A.
2460
- Wiklund, C. 1183
- Wilbert, H. 3477, 6594
- Wilcoxon, F. 1218
- Wilczek, J. Adamska-
1335
- Wild, B. L. 5066
- Wildbolz, T. 1805, 3626,
4902, 5558, 7554
- Wilde, G. 3202, 4267
- Wilde, J. de 2437, 3417,
3863, 5298, 7085
- Wildish, D. J. 4560, 5816
- Wilkin, D. R. 1561, 5411,
5800, 7594
- Wilkinson, A. T. S. 3564
- Wilkinson, C. F. 5888
- Wilkinson, J. D. 5205
- Wilkinson, R. C. 3032,
3033, 3759, 4412, 5335,
5679
- Willard, W. K. 6597
- Williams, C. B. 1687
- Williams, I. H. 4345
- Williams, J. H. 4583
- Williams, J. R. 239, 1901
- Williams, J. W. 4537
- Williams, K. 4691, 5809
- Williams, M. A. 2679,
2680, 7164
- Williams, M. L. 6447,
7005
- Williams, P. 1557, 6275,
6864
- Williams, R. J. 3663
- Williams, R. M. C. 1919
- Williams, R. N. 2698
- Wills, J. H. 3339, 5168
- Willson, H. R. 2884
- Willy, W. E. 3876, 6937
- Wilson, A. G. L. 3701
- Wilson, D. 3939
- Wilson, D. D. 198
- Wilson, E. O. 388
- Wilson, F. D. 3491, 4978,
4979, 4984
- Wilson, G. F. 2186, 7477
- Wilson, G. G. 6223, 6224,
6891
- Wilson, G. J. 3189
- Wilson, G. R. 1127
- Wilson, J. L. 5709
- Wilson, L. F. 1518, 2124,
2125, 3745, 3746, 5036,
5037, 6837, 6838
- Wilson, M. C. 652
- Wilson, R. J. 298
- Wilson, R. L. 3491, 4978,
4979, 4984
- Wiltshire, E. P. 4894
- Windeguth, D. L. von
3218
- Windels, M. B. 7486
- Winder, G. H. 3945
- Windley, R. F. 799
- Winkler, J. R. 5714
- Winks, R. G. 6270
- Winterfeld, R. G. 7303
- Winterinham, F. P. W.
6950
- Winterlin, W. 2857, 5786,
5807
- Wipf, H. K. 6382
- Wirth, W. W. 1493, 5463,
6434
- Wirz, P. 5271
- Wiseman, B. R. 7241,
7242
- Wissinger, W. L. 1770
- Wistrand, H. 608
- Witkowski, J. F. 2788,
3592
- Witkowski, W. 513, 527,
881, 1467, 3318
- Witt, D. J. 4477, 6334
- Witt, R. 384
- Witter, J. A. 3045, 3833
- Witzel, D. A. 6407
- Wiygul, G. 658, 6474
- Woets, J. 978
- Wohlgemuth, R. 2353,
3108, 6872
- Wojciechowska, M. 2960
- Wojcik, D. P. 5432, 6980
- Wojnarowska, P. 1396
- Wolf, D. D. 4884
- Wolf, P. 3113
- Wolfe, N. L. 5214
- Wolfenbarger, D. A. 2974,
2990, 3262, 4548, 5314,
5760, 6934
- Wolfenbarger, D. O. 332,
2974
- Wolff, N. L. 5343
- Wollam, J. D. 6222
- Wong, H. R. 1718
- Wong, L. 1208
- Wong, T. T. Y. 2465,
3468, 5585
- Wongkobrat, A. 7088
- Wongsiri, T. 3173, 3174,
3595
- Woo, K. S. 554
- Woo, X. G. 2029
- Wood, B. J. 1991
- Wood, D. L. 1144, 4635,
4638, 5023
- Wood, E. A., Jr. 291,
1938, 3391, 5485
- Wood, G. A. R. 4384
- Wood, R. J. 7148
- Wood, S. L. 1721, 3042
- Wood, T. G. 2600
- Wood, T. K. 6534
- Wood, W. F. 212
- Woodard, D. N. 2992
- Woodard, G. 3154
- Woodbridge, A. P. 738,
742
- Woodford, F. P. 2319
- Woodford, J. A. T. 5601
- Woodham, D. W. 1687
- Woodiel, N. L. 2844

- Woodruff, R. E. 411, 654,
7140, 7141, 7142
- Woods, C. W. 5760
- Woods, R. J. 1063
- Woodville, H. C. 5411,
6151
- Wool, D. 5322, 6255
- Woolley, J. T. 4703
- Wootton, R. J. 6596
- World Health Organization
5141, 6929, 6930, 6931,
6932, 6955
- Worlund, D. D. 5383
- Wratten, S. D. 6834
- Wright, B. 4367
- Wright, B. S. 5334
- Wright, G. McK. 6826
- Wright, J. W. 6838
- Wright, R. H. 4056
- Wright, W. E. 2903
- Wu, W. N. 2901
- Wuorenrinne, H. 3773
- Würmli, M. 4592
- Wurst, F. Ferrer 1934,
1935, 1936
- Wustner, D. A. 1011
- Wyatt, G. R. 4451
- Wygodzinsky, P. 5378
- Wyl, E. von 6512
- Wylie, F. R. 6207
- Wyniger, R. 5395
- Wyrostkiewicz, K. 1560
- Wysoki, M. 6743
- Wyss, C. 466
- Wyss-Huber, M. 2739
- Xie, Q. J. 3146
- Yadav, H. S. 4356, 4971
- Yadav, S. K. 6603
- Yadav, T. D. 6873, 7657
- Yadava, C. P. 4270
- Yadava, C. P. S. 4873,
4958, 7362
- Yadava, S. R. S. 4958,
7362
- Yagi, S. 1130, 2482, 5304,
5305, 6505
- Yamada, H. 3147, 3149
- Yamada, K. 5535
- Yamada, M. 7682
- Yamagishi, M. 6036
- Yamaguchi, K. 1586
- Yamamoto, A. 5583
- Yamamoto, I. 1454, 7639
- Yamamoto, T. 1359
- Yamanaka, H. 1473
- Yamanaka, M. 636
- Yamane, S. 7022
- Yamasaki, T. 1081
- Yamashita, J. 588
- Yamashita, K. 4554
- Yamashita, O. 4060, 6506
- Yamvrias, C. 2553
- Yanagita, Y. 5355
- Yanase, K. 4470
- Yang, L. C. 4495
- Yang, M. 5081
- Yang, S. L. 7061
- Yanin, V. V. 6808
- Yanishevskaya, L. V. 7483
- Yano, K. 3172, 3173,
3595, 3843, 3846
- Yanovskii, V. M. 5694
- Yaraguntaiah, R. C. 4844
- Yarger, R. G. 4642
- Yashchenko, P. G. 1875
- Yasnosh, V. A. 6638, 7024
- Yassin, A. M. 7381
- Yasudo, T. 5224
- Yasumatsu, K. 3172,
3595, 3835, 3843, 3852,
6063, 6906
- Yasutomi, K. 1080
- Yates, H. O., III 2150,
4421, 5686
- Yates, W. E. 6902
- Yathom, S. 7124
- Yawetz, A. 5133
- Yayah Emka 728
- Yazdani, S. S. 6178, 6179
- Yeargan, K. V. 304, 1293
- Yearian, W. C. 387, 4476,
5335, 7521
- Yeates, G. W. 2833
- Yeates, N. D. B. 2647
- Yen, F. C. 4441
- Yendol, W. G. 423, 1736,
4619, 4620, 6222, 6482
- Yenofsky, R. L. 70, 7050
- Yi, X. 5081
- Yin, C. M. 596, 2440,
4236, 4237, 5881, 7078
- Yobs, A. R. 1683
- Yogendra Singh 1056
- Yokoi, S. 632, 4095
- Yokoyama, S. 5801
- Yonce, C. E. 2023, 2413
- Yonemoto, S. 7457
- Yonke, T. R. 2476, 3395,
4804
- Yoo, J. K. 3279
- Yoon, I. B. 6556
- Yoon, J. K. 2002, 2017
- Yoon Nam, L. 288
- Yoon, S. K. 1881
- Yoshida, A. 5607
- Yoshida, K. 461
- Yoshida, T. 1784, 3090,
3091, 3099, 5158, 7444,
7458, 7459, 7472
- Yoshimoto, C. M. 2339,
4805
- Yost, G. A. 3328
- Young, D. H. 4925
- Young, E. C. 2267, 3612
- Young, J. 2826
- Young, J. H. 565, 3006,
3574, 3706
- Young, J. R. 359, 644,
1225, 1584
- Young, R. 1689
- Young, S. Y. 387, 4476,
7521
- Young, W. R. 3593
- Yousef, A. A. 3440, 3441,
3539, 4590
- Youssef, H. I. 4687
- Youssef, N. B. 483
- Youssef, S. H. 2546, 2547
- Yow Pong, Tho 3560
- Yu, C. C. 523, 3457, 6394
- Yu, M. I. 2165
- Yu, S. J. 1655
- Yuan, I. L. 1851
- Yukinari, M. 786
- Yule, W. N. 5816
- Yunoki, T. 867
- Yunus, A. 2678
- Yunus, M. 816
- Yunuskhodzhaeva, S. 6303
- Yunosov, I. 6081
- Yus, R. 2535
- Yushima, T. 62, 63, 603,
1747, 1778, 5872
- Yusuf, S. Z. 1571
- Yusupov, T. Yu. 6783
- Zaazou, H. H. 3171
- Zaazou, M. H. 1132,
1133, 3941, 4671
- Zabel, A. 1671, 4262,
4771
- Zabik, M. J. 5966
- Zach, R. 4789
- Zagajnyĭ, S. A. 6118
- Zaher, M. A. 3442, 3620,
4129, 4696, 6616
- Zaheruddeen, S. M. 7263
- Zahoruddeen, S. M. 4861
- Zaidi, Z. S. 1782, 6491,
7091
- Zaka-Ur-Rab, M. 3544,
6825
- Zakhidov, S. T. 7042
- Zakhov, S. 7524
- Zakladnoi, G. A. 6303
- Zamfirescu, J. 2206
- Zamfirov, Ts. 1390
- Zamith, A. P. L. 155
- Zapf, B. 5384
- Zapletalová, I. 5714
- Zárate, H. 357
- Zarić, V. 4262
- Zaske, J. 1621
- Zaslavskii, V. A. 2516,
2520
- Zatyamina, V. V. 4811
- Zavala P., J. 3215

Zavattari, E. 3480
 Zawirska, I. 1930
 Zayats, Yu. V. 5746, 7648
 Zaylskie, R. G. 6400
 Ždarek, J. 1135, 2498,
 5873, 6501, 6938
 Zebe, E. 163, 1852
 Zehnder, H. J. 4172
 Zehnder, J. 3225
 Zeid, M. 1445, 5179,
 5180, 5181, 5182
 Zeid, M. I. 2926, 3685,
 4963
 Zelazny, B. 4106
 Zelenev, N. N. 3738, 6221
 Zemkova, R. I. 2331
 Zemlina, A. G. 6351
 Zenon-Roland, L. 1526
 Zenouz, E. Bagheri- 77
 Zerillo, R. T. 5001
 Zerova, M. D. 2331, 6001,
 7209
 Zethner, O. 6910
 Zettler, F. W. 7061
 Zettler, J. L. 1673, 1746
 Zev, A. Bar- 744
 Zeyen, R. J. 6052
 Zgórkiewicz, A. 1930
 Zhantiev, R. D. 2434
 Zhdarek, Ya. 4065
 Zhukova, V. D. 7315
 Zhukovskii, S. G. 5629,
 5875
 Ziarkiewicz, T. 186, 406,
 1503
 Zickermann, R. 5696
 Zidan, Z. H. 79, 1148,
 2467, 3348, 3877, 3899,
 3924
 Žigić, M. 5151
 Zile Singh 4950
 Zimina, L. V. 1873
 Zimmerman, H. G. 5951
 Zimmermann, G. 4533
 Zimmermann, H. 555
 Zinkevich, E. P. 2727,
 5284
 Zinkovskaya, L. A. 2588
 Zitko, V. 4560
 Zitter, T. A. 3111
 Znamenskii, V. S. 7422
 Zobebelein, G. 1612, 4509
 Zoerner, H. 4238
 Zogg, H. 2770
 Zohdy, G. 6935
 Zohdy, N. Z. M. 4126,
 5354
 Zohren, E. 1630
 Żółtańska, E. 5590
 Zon, A. Q. van 4075, 4546
 Zorgani, G. A. El 4576

Zschiegner, H. J. 3114,
 5602
 Zschimmer, C. 4298
 Zukeyama, H. 5893
 Zúñiga P., E. 3982
 Zurflueh, R. C. 6382
 Zwick, R. W. 2886, 3452
 Zwölfer, H. 2759, 5333,
 6029
 Zwolińska-Śniatałowa, Z.
 526
 Zykin, A. G. 5622

SUBJECT CLASSIFICATION IN RAE

Subject classification of material selected for inclusion in the *Review* is performed in two stages. The first stage is the assignment of one or more sequence codes to each document, to determine the heading under which the abstract or title will be printed and other headings under which 'see also' cross-references will appear. The second stage is the selection of entries for the printed subject index. There is no thesaurus used to select headings, but they are carefully checked to keep synonymy to a minimum. Vocabulary control is aided by the inclusion of inverted arthropod names, and of cross-references and synonyms for other organisms and for chemicals. A list of subheadings suitable for most subjects is maintained, and further subheadings are chosen as needed. The result of this method of indexing is a high level of consistency within each volume, and a close match between headings in successive volumes; cross-references are given whenever headings are changed. The depth of indexing is such that there is a mean of 11.2 entries per abstract or title, though there can be more than one subheading per heading for any particular abstract. The most detailed entries are those under the names of arthropods, but other organisms, countries, chemicals, habitats, and general subjects (e.g. Annual reports; Bibliographies; Drainage; Fertilizers; Photosynthesis) are also used as headings. All references are to abstract numbers, unless indicated otherwise.

Under the names of arthropods there are references to their control, distribution, food-plants, hosts, natural enemies, taxonomy, vector ability, and miscellaneous subjects. Entries for species will be found under the generic name, and there are also inverted names with the specific and subspecific epithets placed first. The names used for arthropods in this index are those used in the abstracts, because these names have all been checked against the card indexes maintained by the Institute. These card indexes are continuously updated to take account of taxonomic revisions, and in cases of difficulty the taxonomists employed by the Institute or by the British Museum (Natural History) are consulted. If two or more names are accepted by the *Review* for a taxon during one year, each name is entered separately, with a 'see also' cross-reference to other names. Cross-references from names used by authors but not accepted by the *Review* are given to the currently-accepted names.

Plants are indexed under English common names of the more important or familiar crops, or under scientific names down to species level. At both these types of heading will be found references to the arthropods that affect the plant concerned, to arthropod-transmitted pathogens, and to the side-effects of pesticides. Cross-references are given between common names (sometimes inverted) and scientific names. Many plant headings have been selected to conform with *Horticultural Abstracts* and *Field Crop Abstracts*.

Viruses pathogenic for arthropods are indexed under the name of the host, and the hosts are listed at the heading 'Viruses and virus diseases'. Other pathogens of arthropods are indexed at the scientific name of the pathogen. Plant viruses and mycoplasma-like organisms are indexed at common names corresponding with those used in the *Review of Plant Pathology*. Other pathogens of plants are indexed at the scientific name of the pathogen, if one is available, or else the English common name.

Geographical locations are keyworded, as appropriate, to faunal regions, continents, countries, archipelagoes or islands, and (for Australia, Canada and the USA), to States and Provinces. The subheadings refer mainly to pest arthropods, with some references to pest control.

Chemicals are normally indexed under either a common name or a systematic name, but a few unidentified or complex substances are indexed under names used by authors. In the interest of standardization among all the abstract journals which contribute to the CAB database, changes in the common names used in the index have been introduced in this volume. The majority of the common names used for chemicals for the control of arthropod pests are listed on pp. 1-11 of this volume, and in addition, other common names stated in the 4th. edition of the *Pesticide Manual* [noticed in *RAE/A* 63, 1483] to have been adopted by BSI, ISO or ANSI are now used. Common names of herbicides and plant growth regulators listed in the January 1976 issue of *Weed Abstracts* are now used in *RAE*, and so are the common names of other pesticides (including fungicides and nematocides) given in the *Pesticide Manual*. International Nonproprietary Names approved by the World Health Organization are also now used in *RAE*. Most substances without approved common names are indexed under the names used in the indexes of *Chemical Abstracts* volumes 76-85. Cross-references are provided to these inverted systematic names, and in some cases synonyms are given with the entries. Cross-references are also provided from inverted systematic names to many of the common names, and definitions are printed at these headings.

Habitat headings are chosen, whenever possible, beginning with the name of a crop (e.g. Citrus groves; Potato fields). In most other cases, inverted names are selected as headings (e.g. Grassland, alpine tussock; Woodland, coniferous). Subheadings are mostly concerned with the distribution of beneficial arthropods and the non-target effects of pest control.

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SUBJECT INDEX

- Aatrex** (see Atrazine)
- Abacarus hystrix**
Agropyron mosaic virus in, transmission of 5495
 control of, acaricides for 6703
 in UK 4872
 in USSR 6526
 on grasses, in USSR 6526
 on *Lolium*, in UK 6703
 on *Lolium perenne*, assessing infestations of 296
 ryegrass mosaic virus in, transmission of 4872, 6703
 seasonal adaptations in 6526
- Abacarus officinari**
 sp. nov., description of 2325
 on sugar-cane 2325
- Abate** (see Temephos)
- abathus, Mesalox**
- Abax ater** (see *A. parallelepipedus*)
- Abax parallelepipedus**
 in Belgium 1199
 in forests, in Belgium 1199
 population dynamics of 1199
 traps for 1199
- abbottii, Sirex**
- abbreviata, Pristiphora, (Micronematus)**
- abbreviatus, Diaprepes**
- abbreviatus, Mesopsis**
- Abditicoccus**, gen. n., description of 553
- Abditicoccus acaciae**
 descriptions of 553
 illustrations of 553
 in South Africa 553
 on *Acacia*, in South Africa 553
 taxonomy of, transferred from *Amorphococcus* 553
- abdominalis, Coeloides**
- abdominalis, Microcephalothrips**
- abdominalis, Olla**
- Abelmoschus esculentus** (see Okra)
- aberrans, Amblyseius**
 (*Typhlodromus*)
- Abgrallaspis palmae**
 in São Tomé 2846
 on coconut, in São Tomé 2846
- Abies**
Choristoneura fumiferana on
 in North America 6836
 in Ontario 3742
 in Quebec 5682
Cinara pectinatae on, honeydew of 7162
Prociophilus fraxini on, in Austria 931
 Scolytidae on, in Maine 3763
Xyleborus saxeseni on
 in Switzerland 3543
 in West Germany 3543
- Abies alba**
Adelges spp. on, in Sweden 3768
- Abies alba contd.**
Agevillea abietis on, in West Germany 4389
Choristoneura murinana on, development of 3067
 Hymenoptera on, in West Germany 3055
Mindarus abietinus on, in Czechoslovakia 2330
 Siricidae on, in Europe 2151
Thera variata on, in Denmark 6812
Urocerus gigas on, in Irish Republic 4154
- Abies balsamea**
Choristoneura fumiferana on
 damage caused by 434
 in Maine 4162, 5437
 in Minnesota 434
 in Newfoundland 3743
 in Ontario 5671, 6848–6851, 7428
 in Quebec 495, 7435
 oviposition by 427
C. murinana on, development of 3067
Hemerocampa leucostigma on, in Nova Scotia 4415
Lambdina fiscellaria on 2569
 in Quebec 5656
- Abies balsamea starch**, diet component for, *Choristoneura fumiferana* 3031
- Abies cephalonica**
Ernobius kailidisi on, in Greece 5223
 pests of, in Greece 5000
- Abies concolor**
Sirex cyaneus on, in USA 3741
S. longicauda on, in USA 3741
Urocerus californicus on, in USA 3741
Xeris morrisoni on, in USA 3741
X. spectrum on, in USA 3741
- Abies fraseri, Adelges piceae** on, in North Carolina 4579
- Abies grandis**
Armillaria mellea in, in Idaho 3047
Choristoneura occidentalis on
 in Idaho 4408
 in USA 5009
Fomes nigrolimitatus in, in Idaho 3047
Hemerocampa pseudotsugata on, in Oregon 1521
Ips elegans on, in Idaho 3047
Marmara oregonensis on
 in British Columbia 2343
 in Oregon 2343
Poria weirii in, in Idaho 3047
 Scolytidae on, relation of root-decaying fungi and 3047
Scolytus ventralis on, in Idaho 3047
Urocerus gigas on, in Irish Republic 4154

Abies lasiocarpa

Choristoneura occidentalis on, in USA
5009

Sirex cyaneus on, in USA 3741

S. longicauda on, in USA 3741

Urocera californicus on, in USA 3741

Xeris morrisoni on, in USA 3741

X. spectrum on, in USA 3741

Abies nobilis

Sirex cyaneus on, in Northern Ireland
4154

Urocera augur on, in Irish Republic
4154

U. gigas on
in Irish Republic 4154
in Northern Ireland 4154

Abies nordmanniana

Choristoneura murinana on, development
of 3067

Hymenoptera on, in West Germany
3055

Abies pindrow, *Coptotermes heimi* on,
susceptibility to 3561

Abies procera (see *A. nobilis*)

abietella, *Dioryctria*

Abietic acid, antifeedant for, *Neodiprion*
rugifrons 5765

abieticola, *Gilpinia*

abietiella, *Dioryctria*

abietina, *Liosomaphis* (see *Elatobium*
abietinum)

abietina, *Pristiphora*

abietinum, *Elatobium*

abietinus, *Mindarus*

abietis, *Adelges*

(Chermes)

(Sacchiphantes)

abietis, *Agevillea*

abietis, *Cephalcia*

abietis, *Hyllobius*

abietis, *Nuculaspis*

Ablerus aonidiellae

sp. n., description of 1908
in India 1908

parasitising, *Aonidiella orientalis*, in Uttar
Pradesh 1908

ablutellus, *Raphimetopus*

abnormis, *Leptomastidea*

abnormis, *Psix*

abrupta, *Empoasca*

abruptorius, *Exenterus*

abruptus, *Oedaleus*

abscissus, *Xyleborus*

absoluta, *Scrobipalpula*

absonus, *Apanteles*

aburianus, *Sympiesis*

Abutilon mosaic virus 1575

AC-24055 (see Acetamide, N[4-(3,3-
dimethyl-1-triazenyl)phenyl]-)

AC-47031 (see Phosfolan)

AC-47470 (see Mephosfolan)

AC-64475 (see Phosphoramidic acid, 1,3-
dithietan-2-ylidene-, diethyl ester)

AC-85258 (see Zinc, dichloro[4,4-dimethyl-
5-[[[(methyldamino)carbonyl]oxy]imino]pe-
ntanenitrile]-)

AC-92100 (see Phosphorodithioic acid, S
[[[(1,1-dimethylethyl)thio]methyl] O,O
diethyl ester)

Acacia

Abditococcus acaciae on, in South Africa
553

Buprestidae on, in South Africa 5220

Coleoptera on, in South Africa 5220

Kotochalia junodi on, in South Africa
5220

Lygidolon laevigatum on, in South Africa
5220

***Oxyrhachis* spp.** on, in India 2337

Paracoccus latebrosus on, in South Africa
3989

Psylla uncatoides on, in California 21

Acacia arabica

Camponotus ligniperda on, in India 6205

***Indarbela* spp.** on, in Haryana 2867

Oxyrhachis tarandus on, in India 6205

Acacia mearnsii

Hypopholis sommeri on, in South Africa
265

Iassomorphus cedaranus on
damage caused by 810
in South Africa 810

Lygidolon laevigatum on
damage caused by 810
in South Africa 810

Schizonycha affinis on, in South Africa
265

Acacia nigrescens

Phaspis lobulata on, in South Africa 558

Pseudotargionia anareolae on, in South
Africa 558

Acacia nilotica (see *A. arabica*)

Acacia polystachya, *Incisitermes barretti* on,
in Queensland 5839

***Acacia*, yellow** (see *Caragana arborescens*)

acaciae, *Abditococcus* (*Amorphococcus*)

Acalitus phloeocoptes (see *Aceria*)

Acalymma bivittulum

biology of 4957

control of 4957

in Brazil 4957

on groundnut, in Brazil 4957

Acanthiophilus helianthi

in India 2080

on safflower, in Haryana 2080

Acanthocerus galeator

dorsal abdominal glands in, secretion of
3395

metathoracic glands in, secretion of 3395

Acanthocinus reticulatus

in Greece 5000

on *Abies cephalonica*, in Greece 5000

acanthococci, *Apterencyrtus*

Acanthococcus

- in Soviet Far East 11
- taxonomy of 11

Acanthococcus borchsenii

- sp. nov., description of 11
- in USSR 11

Acanthococcus costatus

- sp. nov., description of 11
- in USSR 11

Acanthococcus hassanicus

- sp. nov., description of 11
- in USSR 11

Acanthococcus isacanthus

- sp. nov., description of 11
- in USSR 11

Acanthococcus micracanthus

- sp. nov., description of 11
- in USSR 11

Acanthococcus oxyacanthus

- sp. nov., description of 11
- in USSR 11

Acanthococcus sasae

- sp. nov., description of 11
- in USSR 11, 550
- on *Sasa*, in Kurile Islands 550
- parasitised by

Apterocyrtus acanthococci, in Kurile Islands 550

Microterys sasae, in Kurile Islands 550

Trichomasthus xenomanes, in Kurile Islands 550

Acanthococcus ulmarius

- sp. nov., description of 11
- in USSR 11

Acanthocoris sordidus

- colony dispersal and re-formation in 3689

in Japan 3689

on eggplant, in Japan 3689

on *Physalis alkekengi*, in Japan 3689

on sweet potato, in Japan 3689

preyed on by, *Harmonia axyridis* 3689

Acanthodactylus cantoris

- preying on

Acrotylus spp., in Rajasthan 1262

Schistocerca americana, in Rajasthan 1262, 4750

Acantholyda apicalis

- in USA 3760

on *Pinus clausa*, in Florida 3760

on *Pinus elliotii*, in Florida 3760

on *Pinus taeda*, in Florida 3760

Acantholyda circumcincta

- in USA 3760

on *Pinus clausa*, in Florida 3760

on *Pinus elliotii*, in Florida 3760

on *Pinus taeda*, in Florida 3760

Acantholyda flaviceps

- distribution of 3770

in Finland 3770

on *Pinus contorta*, in Finland 3770

Acantholyda flaviceps contd.

- oviposition in 3770

Acantholyda floridanus

- sp. n., description of 3760

in USA 3760

on *Castanea pumila*, in Florida 3760

on *Pinus clausa*, in Florida 3760

on *Pinus elliotii*, in Florida 3760

Acantholyda hieroglyphica

- biology of 1505

in Portugal 1505

on *Pinus pinaster*, in Portugal 1505

on *Pinus radiata*, in Portugal 1505

Acanthomia horrida

- biology of 1456

descriptions of 1456

in Nigeria 1456

on *Vigna unguiculata*, in Nigeria 1456

preyed on by, *Rhynocoris bicolor*, in

Nigeria 1456

Acanthomia tomentosicollis

- control of, insecticides for 510

in Nigeria 6615

in Tanzania 510

on bean, in Tanzania 510

on *Cajanus cajan*, in Nigeria 6615

parasitised by, *Gryon gnidus*, in Nigeria 6615

Acanthoplus speiseri

- control of, insecticides for 4982

in Zambia 4982

on cotton, in Zambia 4982

Acanthopsyche minima

- biology of 2907

descriptions of 2907

in India 2907

on *Musa paradisiaca*, in Kerala 2907

Acanthoscelides obtectus

- Beauveria bassiana* in, pathogenicity of 2225

B. tenella in, pathogenicity of 2225

biology of 453

control of 3219

fumigants for 1046, 4442

insecticides for 453

egg-hatch in 5900

fecundity in 5900

in Bulgaria 453

in Peru 692

in *Phaseolus vulgaris* seeds, damage

caused by 7346

in stored seeds, in Bulgaria 453

male paragonia in 2372

Metarhizium anisopliae in, pathogenicity of 2225

oviposition in, effects of presence of food on 23

Paecilomyces fumosoroseus in,

pathogenicity of 2225

progeny of, effects of γ -irradiation of parents on 3234

- Acanthoscelides obtectus* contd.**
 reproduction in, effects of temperature on 649, 3235
 sterilisation of, γ -irradiation for 5315
- acanthoscelis, Haplothrips***
- Acanthospermum hispidum, Heliothis peltigera*** on, in Gujarat 4819
- Acanthostichini***, taxonomy of 4608
- Acaphylla steinwedeni* (see *A. theae*)**
- Acaphylla theae***
 descriptions of 4187
 in Taiwan 4187
 on *Camellia reticulata*, in Taiwan 4187
 on tea, in Taiwan 4187
- Acar** (see *Chlorobenzilate*)
- Acarapis woodi***
 biology of 4792
 control of, acaricides for 2701-2702
 in India 4792
 in USSR 2701-2702
 parasitising
 Apis cerana, in Himachal Pradesh 4792
 honey bees
 in Crimea 2702
 in Ukraine 2701
- Acari**
 books on 2326
 control of, acaricides for 7610
 in apple orchards
 identification of 7314
 in Ontario 6115
 phoretomorphic forms of 3386
 preying on, *Zeiraphera diniana*, in Switzerland 2157
 water balance in 7166
- Acaricide resistance** 5119
 mechanisms of 1653
- Acaricides**
 compatibility with other pesticides of 6945
 in crop plants, residues of 5141
 in foodstuffs, residues of 5141
 in *Phytoseiulus persimilis*, toxicity of 3655
 in plants, residues of 525
 selectivity of 6916
 substances tested as:
 amiton analogues 5889
 cyclopropane derivatives 522
 OP esters of pyridazinones 6962-6963
 sulfenylated formamides 7606
 tenuazonic acid derivatives 5190
 3-thiophanone O
 (methylcarbamoyl)oximes 1023
 use of, in Denmark, restrictions on 6956
- Acarina** (see *Acari*)
- acariphagus, Scolothrips***
- Acarophenax tribolii***
 in India 7323
 parasitising, *Sciara hirtilineata*, in Andhra Pradesh 7323
- Acaropsis***, preying on, *Trogoderma granarium*, in Punjab 6315
- Acaropsis docta*** 6315
 cannibalism in 3392
 in China 2730
 in stored products, in China 2730
 preying on
 Sitophilus granarius 3392
 S. oryzae 3392
 reproduction in, effects of starvation on 3392
- acarorum, Scutacarus***
- Acarus***
 control of, acaricides for 2740, 5411
 on mushroom 2740
- Acarus farris***
 control of, acaricides for 1561
 in UK 1561
 in stored barley
 effects of mechanical handling on 1561
 in England 1561
- Acarus immobilis***
 in Irish Republic 3778
 in stored grain, in Irish Republic 3778
- Acarus siro***
 acaricide susceptibility in, effects of temperature on 5800
 γ -BHC resistance in, in UK 5177
 control of, acaricides for 1561, 5177, 5800, 6322, 7594
 development in, humidity and temperature limits for 5411
 embryonic development in, effects of bromomethane on 516
 in Irish Republic 3778
 in Poland 940, 4748
 in Portugal 1535
 in UK 1561, 5177
 in USSR 6322
 in cheese stores, in UK 5177
 in feedstuffs, in Irish Republic 3778
 in flour mills, in Portugal 1535
 in medicinal herbs, in Poland 940
 in pasture seeds, in USSR 6322
 in stored barley
 effects of mechanical handling on 1561
 in England 1561
 on Cruciferae, in Poland 4748
 preyed on by, *Cheyletus eruditus* 5411
- acasta, Melittobia***
- Acaudaleyrodes citri***, on *Citrus*, in Mediterranean Basin 6551
- Acaudus***
 in Europe 6453
 keys to 6453
- accinctus, Leiophron***
- Acephate* (*O,S*-dimethyl acetylphosphoramidothioate)**
 against
 Aphanostigma iaksuiense 2017

Acephate *contd.*against *contd.**Aphanostigmia* *contd.**A. piri*, on pear 2018

aphids, on celery 4558

Atherigona soccata, on sorghum 837*Cerataphis variabilis*, on coconut 2844*Cnaphalocrocis medinalis* 3290–3291*Crocidolomia binotalis*, on cabbage 730*Empoasca fabae*, on *Phaseolus vulgaris* 2927*Euxoa messoria*, on tobacco 6798*Florinia theae*, on *Camellia japonica* 6203*Heliothis* spp., on *Physalis ixocarpa* 1475*H. subflexa*, on *Physalis* 783*H. virescens*, on *Physalis* 783*Hylobius pales* 1664on *Pinus taeda* 3901*Keiferia lycopersicella*, on tomato 882*Lambdina athasaria*, on *Tsuga canadensis* 3764*Macrosiphum avenae*, on oats 2256*M. euphorbiae*, on lettuce 4557, 4925*Myzus persicae* 7576on *Capsicum annuum* 3695

on lettuce 4557, 4925

on peach 7321

on potato 6170

Nephotettix cincticeps, on rice 2806*Ophiomyia phaseoli*, on *Phaseolus vulgaris* 729*Ostrinia nubilalis*, on maize 4558*Oulema melanopus*, on oats 2256*Pemphigus bursarius* 2912*Phthorimaea operculella*, on potato 7379*Pieris rapae*, on cabbage 1441*Plutella xylostella*, on cabbage 730, 1441*Pseudococcus* spp., on grapevine 3183*Rhyacionia frustrana*, on *Pinus radiata* 3040*Saissetia coffeae*, on *Aphelandra squarrosa* 6802*Spodoptera exigua* 3904*Symmetrischema* spp., on *Physalis ixocarpa* 1475*Trichoplusia ni*

on cabbage 1441

on lettuce 4558

Uroleucon pseudambrosiae, on lettuce 4925*Verticillium* spp., on potato 6170

biological activity of 2657

commercial development of 1008

in *Coccinella septempunctata*, toxicity of 3294in *Dicyphus eckerleini*, toxicity of 3294in *Folsomia candida*, toxicity of 3304**Acephate** *contd.*in *Hypogastrura armata*, toxicity of 3304in *Macrolophus rubi*, toxicity of 3294in *Nomuraea rileyi*, not inhibiting growth 3823in *Onychiurus folsomi*, toxicity of 3304in *Pinus taeda*, systemic activity of 3901in *Trichogramma*, toxicity of 783with azinphos-methyl, against, *Keiferia lycopersicella*, on tomato 882with *Bacillus thuringiensis*

against

Choristoneura fumiferana 3292on *Abies* 5671on *Picea* 5671*Hemerocampa leucostigma* 3292

compatibility of 3293

with chlordimeform, against, *Heliothis virescens* 6399with methoxychlor, against, *Keiferia lycopersicella*, on tomato 882*Acer*, *Penichroa fasciata* on, in Yugoslavia 2179***Acer campestre****Bradybatus creutzeri* on, in Europe 5015*Etainia sericopeza* on, in Romania 2624*E. sphendarni* on, in Romania 2624*Acer carpinifolium*, *Yamatocallis acericola* on, in Japan 1095*Acer negundo*, *Leptocoris trivittatus* on, in USA 6601*Acer obtusifolium*, *Phyllonorycter obtusifoliella* on, in Cyprus 5232*Acer palmatum*, *Thyridopteryx ephemeriformis* on, in Kansas 417***Acer platanoides****Bradybatus tomentosus* on, in Ukraine 2331*Etainia sericopeza* on, in Romania 2624*E. sphendarni* on, in Romania 2624***Acer pseudoplatanus****Corythucha ciliata* on, in Italy 6831*Drepanosiphum platanoides* on 86

in Scotland 1891

Etainia sericopeza on, in Romania 2624*E. sphendarni* on, in Romania 2624***Acer rubrum****Cecidophyes naulti* on, in Ohio 3985

evaluation of insecticide deposits on 2545

Vasates quadripes on, in Canada 6822***Acer saccharinum****Dasineura aceris* on, in Ontario 3761*Vasates quadripes* on, in Canada 6822***Acer tataricum****Etainia sericopeza* on, in Romania 2624*E. sphendarni* on, in Romania 2624*Acer* (timber), *Penichroa fasciata* in, in Italy 2179*Aceratagallia*, *Spiroplasma citri* in,

persistence of 5722

Aceratagallia uhleri

in USA 309

on lucerne

in Nebraska 309

non-target effects of insecticides on
309***acerbella*, *Epichoristodes******Aceria***, taxonomy of 2325-2326***Aceria bakkeri***

sp. nov., description of 2325

on rice 2325

Aceria biopsidea

sp. nov., description of 2325

on guava 2325

Aceria chondrillae, on *Chondrilla juncea*,
and biological control using, in Australia
2754***Aceria eriobotryae***

descriptions of 4187

in Taiwan 4187

on loquat, in Taiwan 4187

Aceria ficus

in Egypt 208, 2720

on fig, in Egypt 208, 2720

preyed on by, *Phytoseius plumifer*, in
Egypt 208, 2720***Aceria litchii***

descriptions of 4187

in Taiwan 4187

on *Euphorbia longana*, in Taiwan 4187on *Litchi chinensis*, in Taiwan 4187***Aceria mangiferae***

control of, acaricides for 7331

in India 7331

on mango, in Delhi 7331

Aceria phloeocoptes

control of, acaricides for 848

in Israel 848

in Lebanon 7550

on almond 848

in Lebanon 7550

on plum

galls of 848

in Israel 848

taxonomy of 848

Aceria rossettoni

sp. nov., description of 2325

on *Anacardium occidentale* 2325***Aceria sheldoni***

control of, acaricides for 6745

in Cyprus 6745

life history of 6745

on *Citrus*

damage caused by 6745

in Cyprus 6745

on *Citrus grandis*, effects of plant

nutrition on 2896

on lemon, effects of plant nutrition on
2896***Aceria tosichella***

sp. nov., description of 2325

on barley 2325

***Aceria tosichella* contd.**

on wheat 2325

wheat streak mosaic virus in, transmission
of 3804***Aceria tulipae***

in USA 2779

in USSR 6526

on onion, in USSR 6526

on rye, resistance to 2779

on wheat

in Kansas 2779

resistance to 2779

seasonal adaptations in 6526

wheat streak mosaic virus in, transmission
of 2779***aceriana*, *Gypsonoma******acericola*, *Eurytoma******acericola*, *Yamatocallis******acerina*, *Susteraia******aceris*, *Dasineura******acervorum* *Leptothorax*****Acetaldehyde**, (3,3-dimethylcyclohexylidene)-
(E)- (see also Grandlure)in *Anthonomus grandis*

effects of chemosterilants on

production of 4686

lifetime synthesis potential of 1483

synthesis of 601

(Z)- (see also Grandlure)

in *Anthonomus grandis*

effects of chemosterilants on

production of 4686

lifetime synthesis potential of 1483

synthesis of 601

Acetamide, 2-chloro-N-(1-methylethyl)-N-
phenyl- (see Propachlor)**Acetamide**, N-[2-(3,4-dihydroxyphenyl)-
ethyl]-in *Corcyra cephalonica*, enzymatic

synthesis of 6473

in *Pachnoda ephippiata* cuticle, role in

sclerotisation of 1117

in *Schistocerca americana* cuticle, role in

sclerotisation of 1117

in *Tenebrio molitor* cuticle, role in

sclerotisation of 1117

Acetamide, N-[4-(3,3-dimethyl-1-
triazenyl)phenyl]-

antifeedant for

Achaea janata, on *Ricinus communis*
3349*Henosepilachna vigintioctopunctata*, on
Momordica charantia 1712*Pericallia ricini*, on cacao 3929*Spodoptera littoralis*, on sugar-beet
1074*S. litura*, on *Ricinus communis* 3349,
5217in *Drosophila melanogaster*, effects of
1072

- Acetamide**, *N*[[4-(3,3-dimethyl-1-triazenyl)phenyl]- *contd.*
in *Spodoptera littoralis*, effects on digestive enzymes of 1074
- Acetamide**, 2-fluoro-*N*-methyl-*N*-1-naphthalenyl-, against, *Panonychus ulmi* 497, 3277
- Acetate substance S** (see Pregn-4-ene-3,20-dione, 21-(acetyloxy)-16-hydroxy-)
- Acetic acid**
diet component for, *Pectinophora gossypiella* 3491
in *Bacillus thuringiensis*, effects on insecticidal activity of 4473
in *Hyalophora cecropia*, incorporation into JH of 2443
in *Icerya purchasi* 2450
in *Schistocerca americana* oenocytes, incorporation into paraffins of 743
ammonium salt
attractant for
Rhagoletis cingulata 2580
R. pomonella 2580, 2876, 2879
bait component for, *Rhagoletis pomonella* 1420
butyl ester, repellent for, *Pegomya betae* 1660
dodecyl ester
Argyrotaenia velutinana sex pheromone 3460
A. velutinana sex-pheromone component 4636
Cydia molesta responses to 542
Diparopsis castanea sex pheromone 599
inhibitor of *Cydia molesta* response to sex pheromone 1646
inhibitor of *Cydia prunivora* response to sex pheromone 1646
with (*Z*)-8-dodecenyl acetate
attractant for
Cydia molesta 849
C. prunivora 849
with (*E*)-11-tetradecenyl acetate, and (*Z*)-11-tetradecenyl acetate, attractant for, *Argyrotaenia velutinana* 4636
ethenyl ester, homopolymer, synergist for, insect growth regulators 5183
4-nitrophenyl ester, in *Spodoptera littoralis*, effects on egg production of 3267
phenyl ester, in *Spodoptera littoralis*, effects on egg production of 3267
sodium salt
in *Anthonomus grandis*, incorporation into sex pheromone of 601
in *Ceratitis capitata*
incorporation into lipids of 1067
incorporation into phospholipids of 1066
- Acetic acid**, bis[(aminocarbonyl)amino]- in *Pieris brassicae*, synthesis of 1743
in *Pieris brassicae* fat-body 4029
- Acetic acid**, (2,4-dichlorophenoxy)- (see 2,4-D)
- Acetic acid**, fluoro-, sodium salt, in *Dermestes maculatus*, toxicity of 3343
- Acetic acid**, hydroxy-, in *Selanastrum capricornutum*, DDT stimulating incorporation of CO₂ into 6413
- Acetic acid**, thiocyanato-
1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, *exo*-
synergist for
azinphos-ethyl 7655
carbaryl 7655
DDT 7655
- Acetone** (see 2-Propanone)
- Acetylcholine mustard** (see Ethanol, 2-[(2-chloroethyl)methylamino]-, acetate (ester))
- Acetylene** (see Ethyne)
- Acetylhexosaminidase**, β -*N*-, in *Locusta migratoria* gut 739
- Acetyltransferase**, choline, in insects, as target for insecticides 5788
- Achaea janata**
Bacillus cereus in
effects of 4474
in Karnataka 4474
B. thuringiensis in, effects of 6342
control of
antifeedants for 3349
insecticides for 885
excretion in, effects of insecticides on 3893
in India 885, 2978, 4474, 6772
in Papua New Guinea 3013
insecticides in, effects on water loss of 6398
on *Bauhinia purpurea*, in Karnataka 6772
on cacao, in Papua New Guinea 3013
on *Leucaena leucocephala*, in Papua New Guinea 3013
on *Phaseolus mungo*, in Karnataka 6772
on *Ricinus communis* 3349, 4037
in Andhra Pradesh 2978
in Karnataka 4474
in Tamil Nadu 885
pH in 4037
preyed on by, *Heliothis armigera*, in Andhra Pradesh 2978
rearing of, diets for 5926
water relations of, effects of insecticides on 3893
- Achaea tirrhaea** (see *Ophiura tirrhaea*)
- achaeae**, *Trichogramma*
- Achaearanea tepidariorum**
biology of 2718
habitats of 2718
in Japan 2718

- Achaeareanea tepidariorum** contd.
prey of, in Nagasaki Prefecture 2718
- achatana, Ancylys**
- Acherontia atropos**
in Austria 3518
in South Africa 5954
parasitised by, *Ernestia rudis*, in Austria 3518
pest of honeybee, in South Africa 5954
- Acherontia styx**
in India 1847, 1890
on *Jasminum flexile*, in Tamil Nadu 1847
parasitised by
Sarcophaga spp., in Rajasthan 1890
Zygobothria atropivora, in Rajasthan 1890
Z. ciliata, in Rajasthan 1890
preyed on by, *Scyanus affinis* 6642
- Acheta**
control of, insecticides for 7290
on *Hevea brasiliensis*, in Malaysia 7290
- Acheta desertus** (see *Melanogryllus*)
- Acheta domesticus**
accessory glands in, polysomes in 7050
amino acids in haemolymph of 1753
auditory system in 4657
call song of 6536
enzymes in 3416
flight muscles in 3416
hemel in, effects of 4090
hemolymph in, proteins in 3424
in Egypt 4168
mating in, effects of social experience on 7180
nervous system in 6612
olfactory communication in 6611
ribosomes in, protein synthesis by 70
traps for 4168
wing polymorphism in, effects of diet on 3380
- Achillea millefolium**, insecticidal activity of
infusion of 7408
- Acholeplasma**
in
Aphis fabae, replication of 3109
Euscelis plebeja, replication of 3109
Phyllotreta spp., replication of 3109
Piesma quadratum, replication of 3109
- Acholeplasma laidlawii**
in
Aphis fabae, replication of 3109
Phyllotreta spp., replication of 3109
Piesma quadratum, replication of 3109
- Achras zapota**
Dacus correctus on, in Gujarat 7326
Neostauropus alternus on, in Karnataka 4917
Tuckerella knorri on, in Thailand 1097
Xyleutes punctifer on, in Grenada 5399
- Achroia grisella**
control of, *Bacillus thuringiensis* for 969
- Achroia grisella** contd.
in South Africa 5954
in bee hives 969
parasitised by
Lixophaga diatraeae 251
Trichogramma spp. 251
pathogens of 969
pest of honeybee, in South Africa 5954
rearing of, techniques for 251
- Achromobacter nematophilus**, associated
with, *Neoapectana carpocapsae* 3847, 4487
- Achrysocharis lyonetiae**, taxonomy of,
Chrysocharidia fimbriata as synonym of 4598
- Achrysopophagus**
hyperparasitising, *Scymnus interruptus*, in Egypt 178
parasitising, *Homalotylus flaminus*, in Egypt 178
- Achrysopophagus aegyptiacus** (see *Prochilonurus*)
- aciculana, Epinotia**
- acinaciformis, Coptotermes**
- Acinetobacter**
associated with, *Neoapectana carpocapsae* 1589
in
Galleria mellonella, pathogenicity of 1589
Ostrinia nubilalis, in Iowa 7485
- Acinopterus angulatus, Spiroplasma citri** in,
persistence of 5722
- Aclerda tillandsiae**
in USA 3025
on *Tillandsia usneoides*, in Georgia (USA) 3025
- Acleris**
on apple, in Netherlands 327
parasitised by, *Apanteles ater*, in Netherlands 327
- Acleris comariana**
feeding preferences of 2849
in UK 2849
on strawberry, in England 2849
parasitised by, *Litomastix aretas*, in England 2849
- Acleris hastiana**, parasitised by, *Chorinaeus hastianae* 7018
- Acleris latifasciana**
food-plants of 4591
in Yugoslavia 4591
taxonomy of, misidentified as *A. schalleriana*, in Yugoslavia 4591
- Acleris schalleriana**
in Yugoslavia 4591
on *Viburnum*, in Yugoslavia 4591
taxonomy of *Acleris latifasciana* misidentified as, in Yugoslavia 4591
- Acleris variana**
in Canada 193

- Acleris variana* contd.**
 parasitised by, *Apanteles absonus*, in Canada 193
- acletus*, *Scapteriscus***
- Aclitus sappaphis***
 sp. n., description of 1096
 biology of 1096
 in Japan 1096
 parasitising, *Sappaphis piri*, in Japan 1096
- Aconura***, in South Africa 3995
- Acorus calamus***
 insecticidal activity of rhizomes of 6032
 JH activity of oil from rhizomes of 1678
 rhizome pieces of, against, *Sitotroga cerealella* 937
- Acostemma***, taxonomy of, *Acropona* as synonym of 6442
- Acostemma lucida***, taxonomy of, misidentified as *A. walkeri* 6442
- Acostemma walkeri***, taxonomy of, *Acostemma lucida* misidentified as 6442
- acraea*, *Estigmene***
- Acrex** (see *Dinobuton*)
- Acrida***
 food consumption of 116
 in grassland, in Tanzania 116
- Acrida bicolor***, colour development in 2689
- Acrida pellucida*** (see *A. bicolor*)
- Acridae**
 biology of 4743
 digestive enzymes in 5866
 epipharyngeal wall in 3378
 sclerites in, stiffness and tanning of 3402
 taxonomy of 1732, 4743
 traps for 1233
- Acridoidea**
 feeding behaviour in 4698
 in Argentina 4698
 in Malawi 3
 in Siberia 650
 population dynamics of 650
 rearing of, techniques for 5416
 taxonomy of 1732
- Acridomorpha**, taxonomy of 1732
- Acridothores tristis***, preying on, *Lachnosterna* spp., in Rajasthan 4958
- Acrobasis betulivorella***
 sp. n., description of 1725
 biology of 1725
 in USA 1725
 on *Betula nigra*, in North Carolina 1725
- Acrocercops***
 on cacao, in Sabah 5837
 parasitised by, *Sliochia bala*, in Sabah 5837
- Acrocercops chionosema***
 biology of 2862
 in Australia 2862
 on *Macadamia*, in Queensland 2862
- Acrogenus solani* var. *vulgaris*** (see *Potato spindle tuber virus*)
- Acrolepia assectella*** (see *Acrolepiopis*)
- Acrolepiopis assectella***
 biology of 569
 on leek 569
 oviposition in, effects of leek volatiles on 5631
 parasitised by, *Ageniaspis fuscicollis* 1830
 rearing of, techniques for 1830
 reproduction in 2499
- Acrolophus***, on grasses, in Puerto Rico 1975
- Acromyrmex octospinosus***
 biology of 173
Conidiobolus coronatus in
 in Guadeloupe 2693
 pathogenicity of 2693
 in Guadeloupe 2692–2693
 in Trinidad and Tobago 173
 nematodes associated with, in Guadeloupe 2692
 on cacao, in Trinidad 173
- Acronicta leporina***
 in USSR 4388
 on *Betula*, in USSR 4388
- Acronicta lutea***
 in USSR 1872
 on soy bean, in USSR 1872
 parasitised by, *Exorista larvarum*, in USSR 1872
- Acronicta psi***
 in USSR 4388
 on *Betula*, in USSR 4388
- Acronicta rumicis***
 development in, effects of temperature on 2519
 forecasting infestations of 2519
 in Yugoslavia 1351
 on maize, in Yugoslavia 1351
- acronyctoides*, *Spodoptera mauritia*** (see *S. mauritia*)
- Acropona***, taxonomy of, synonym of *Acostemma* 6442
- Acroponinae**, in Ethiopian region 6442
- Acrostalagmus aphidum***
 fungicides in, toxicity of 6982
 in, *Picturaphis brasiliensis*, and biological control using 6982
- Acrosternum armigera***
 in Brazil 1457
 on soy bean
 damage caused by 1457
 in Brazil 1457
- Acrosternum heegeri***
 in Iran 3808
Nematospora coryli in, in Iran 3808
- Acrosternum hilare***
 in USA 7187
 parasitised by, *Trichopoda pennipes*, in Georgia (USA) 7187

- Acrosternum millierei**
in Iran 3808
Nematospora coryli in, in Iran 3808
- Acrostilpna latipennis**
biology of 5405
in Czechoslovakia 5405
on *Athyrium felix-femina*, in
Czechoslovakia 5405
- Acrotelsa collaris**, on paper, development of
1568
- Acrotylus**
population dynamics of 1262
preyed on by, *Acanthodactylus cantor*,
in Rajasthan 1262
- Acrotylus elgonensis**
food consumption of 116
in Tanzania 116
in grassland, in Tanzania 116
- Acrotylus patruelis**
food consumption of 116
in Tanzania 116
in grassland, in Tanzania 116
- Actellic** (see Pirimiphos-methyl)
- acteon, Cyaneolytta**
- Actia cuthbertsoni**
in Uganda 2084
parasitising, *Cryptophlebia leucotreta*, in
Uganda 2084
- Actia interrupta**
in USA 5437
parasitising, *Choristoneura fumiferana*, in
Maine 5437
- Actia nudibasis**
in West Germany 202
parasitising, *Rhyacionia buoliana*, in West
Germany 202
- Actia ontario**
in USA 2147
parasitising, *Ennomos subsignarius*, in
Connecticut 2147
- Actinidia chinensis**
Empoasca vitis on
damage caused by 1993
in France 1993
- Actinomyces, Heteropeza pygmaea** on,
development of 809
- Actinomycetaceae**, in, soil, effects of aldicarb
on 7664
- Actinomycetes**, in, okra, effects of disulfoton
on 6144
- Actinomycin D** (see Dactinomycin)
- aculeata, Alopecosa**
- aculeatus, Haplothrips**
- aculeatus, Macromischoides**
- aculeatus, Megastigmus**
- Aculodes dubius**, on *Lolium perenne*,
assessing infestations of 296
- Aculops lycopersici**
in Netherlands 6903
on tomato, in Netherlands 6903
- Aculus comatus**
in USSR 6096
- Aculus comatus** contd.
on hazel, in USSR 6096
- Aculus fockeui**
control of, integrated 4910
in USA 4910
on plum, in Washington 4910
overwintering in 4910
preyed on by
Metaseiulus occidentalis, in Washington
4910
Zetzellia mali, in Washington 4910
- Aculus schlechtendali**
in Canada 7309
in East Germany 2013
in USA 6728, 6730
in apple orchards, in British Columbia
7309
oil emulsions in, toxicity of 7309
on apple
distribution pattern of 6728
effects of fungicides on 2013
in East Germany 2013
in New York 6728
in USA 6730
preyed on by
Amblyseius fallacis, in USA 6730
Metaseiulus occidentalis, in USA 6730
Zetzellia mali, in New York 6728
- acuminata, Aelia**
- acuminata, Melanophila**
- acuminata, Protaetia**
- acuminatus, Ips**
- acuta, Chrysodeixis, (Plusia)**
- acuta, Leptocoris**
- acuta, Macrorhaphis**
- acutangulus, Euarestoides**
- acuteangulatus, Gonocerus**
- acutulus, Coccygomimus**
- acutus, Dinarmus**
- acutus, Scaphytopius**
- acvapimensis, Camponotus**
- Acylosomus**
on *Claviceps purpurea*
damage caused by 6034
development of 6034
- Acylosomus ergoti** 6034
- Acyrtosiphon dirhodum** 6041
biology of 688, 1339
control of
growth regulators for 3892
insecticides for 688, 1339
- Entomophthora** spp. in
in Chile 5489, 6043
in England 801
- E. aphidis** in, in Chile 688
illustrations of 2766
in Belgium 821
in Chile 688, 3982, 5489, 6043
in UK 801, 5978
in West Germany 5487
maize dwarf mosaic virus in, not
transmitted 2190

***Acyrtosiphon dirhodum* contd.**

- on barley
 - in Chile 688
 - in West Germany 5487
 - varietal preferences of 4251
- on grain crops, in Europe 1339
- on maize, in Chile 688
- on oats
 - in Chile 688
 - in West Germany 5487
 - varietal preferences of 4251
- on rose, in Northern Ireland 5978
- on rye, in Chile 688
- on wheat 3892
 - damage caused by 5489, 6043
 - distribution pattern of 5489
 - effects of sowing date on 6043
 - in Belgium 821
 - in Chile 688, 5489, 6043
 - in West Germany 5487
 - varietal preferences of 4251
- parasites of, in England 801
- parasitised by
 - Aphidius ervi*, in Belgium 821
 - A. picipes*, in Belgium 821
 - A. uzbekistanicus*, in Belgium 821
 - Praon volucre*, in Belgium 821
- predators of, in England 801
- preyed on by
 - Allograpta* spp., in Chile 5489, 6043
 - Aphidoletes aphidimyza* 3832
 - Coccinellidae, in Chile 5489
 - Eriopis connexa*, in Chile 6043

Acyrtosiphon festucae

- illustrations of 2766
- in Belgium 821
- in Poland 1880
- on wheat, in Belgium 821
- parasitised by
 - Aphidius picipes*, in Belgium 821

***A. uzbekistanicus*, in Belgium 821**

traps for 1880

Acyrtosiphon gossypii

- biology of 6792
- in India 6809
- in USSR 6792
- on cotton 6809
- in USSR 6792
- on *Lepidium perfoliatum* 6809
- on *Sophora tomentosa*, in Haryana 6809

Acyrtosiphon longicaudatum

- sp. nov., description of 7135
- in India 7135
- on wheat, in Himachal Pradesh 7135

Acyrtosiphon magnoliae

- preyed on by
 - Coccinella septempunctata* 787, 1285
 - Harmonia axyridis* 787, 1285

Acyrtosiphon onobrychis* (see *A. pisum*)**Acyrtosiphon pelargonii***

- hyperparasites of, in New Zealand 1895
- in New Zealand 1895

Acyrtosiphon pelargonii rogersii

- in Bulgaria 1390
- on strawberry, in Bulgaria 1390

Acyrtosiphon pisum

- aggregation in 1180
- beet mild yellowing virus in, transmission of 3117
- beet yellowing virus in, transmission of 3117
- biology of 6774
- biotypes of 862
 - food-plants of 2924
- broad bean stain mosaic virus in, not transmitted 5723
- cardamom mosaic virus in, transmission of 145
- control of
 - growth regulators for 3876, 6937
 - insecticides for 690, 2262, 3155, 3860, 3915, 4293-4294, 6707, 6774, 7652
 - JH mimics for 3155
- cowpea aphid-borne mosaic virus in, transmission of 4948
- defensive behaviour in 5332
- development in 361
 - effects of diet on 3405

Echtes Ackerbohnenmosaik virus in, not transmitted 5723

Entomophthora spp. in, in Bulgaria 2262

***E. aphidis* in**

- in Argentina 477
- in Switzerland 5740
- E. thaxteriana* in, in Switzerland 5740
- escape reactions in 6630
- fecundity in 4025
 - effects of defensive behaviour on 5332
- feeding behaviour in 3405
 - effects of food-plant on 5342
 - effects of insecticides on 5342
- food preferences of 2924
- fungi in, in Poland 2838
- hyperparasitised by, *Alloxysta macrophadna* 3542

in Argentina 477

- in Bulgaria 2262
- in Canada 361
- in Chile 690
- in East Germany 2359
- in France 4294
- in India 145
- in Poland 1926, 1982, 2838
- in Switzerland 3155, 5740
- in USA 3499, 3860, 4293, 5528
- in USSR 5456, 6354-6355, 6707, 6774
- intracellular symbiote in 1214
- JH mimics in, effects of 3419
- maize dwarf mosaic virus in, transmission of 6053
- on Cruciferae, in Poland 1926
- on legumes, in USSR 5456
- on *Lotus uliginosus* 1180

***Acyrtosiphon pisum* contd.**

- on lucerne
 - in Argentina 477
 - in British Columbia 361
 - in Bulgaria 2262
 - in California 4293, 5528
 - in Chile 690
 - in France 4294
 - in Michigan 3499
 - in Poland 1982, 2838
 - in Russian Republic 6707, 6774
 - in Switzerland 5740
 - resistance to 1982, 2835, 4885
 - role of saponins in 308
- on *Lupinus*, resistance to 2835
- on pea
 - development of 862
 - in Bulgaria 2262
 - in Moldavia 6354–6355
 - in Russian Republic 6774
 - in Switzerland 3155, 5740
- on *Trifolium*
 - in Switzerland 5740
 - resistance to 2835
- on *Trifolium pratense* 1180
 - in East Germany 2359
- on *Vicia*
 - in Switzerland 5740
 - resistance to 2835
- on *Vicia faba*
 - development of 862, 4025
 - distribution pattern of 1180
- parasites of
 - effects of *Entomophthora* infection on 5740
 - in British Columbia 361
 - in Poland 2838
 - in Russian Republic 6774
 - synchronism of development of 361
- parasitised by
 - Aphidius* spp., in Switzerland 5740
 - A. ervi* 3542
 - in Bulgaria 2262
 - A. pisivorus*, and biological control using, in Europe 3180
 - A. smithi* 3473
 - and biological control using, in Europe 3180
 - Hymenoptera, in USSR 5456
- pea enation mosaic virus in
 - localisation of 3116
 - transmission of 947
- pea mosaic virus in, transmission of 455
- population growth in, effects of parasitism on 3473
- predators of
 - effects of insecticides on 3915
 - in Bulgaria 2262
 - in California 5528
 - in Poland 2838
 - in Russian Republic 6774

***Acyrtosiphon pisum* contd.**

- preyed on by
 - Anthocoris nemorum* 6630
 - Aphidoletes aphidimyza* 3832
 - Chrysopa carnea*, and biological control using, in Moldavia 6354–6355
 - Chrysopidae, in USSR 5456
 - Coccinellidae, in USSR 5456
 - Kimminsia subnebulosa* 5460
 - Menochilus sexmaculatus* 7199
 - Syrphidae, in USSR 5456
 - rearing of, techniques for 4163, 4178
 - reproduction in 4025
 - effects of parasitism on 3473
 - effects of photoperiod and temperature on 1738
 - searching behaviour in 5332
 - settling behaviour in 1180
 - sex determination in, effects of photoperiod and temperature on 1738
 - sex pheromone of, response of *Megoura viciae* to 93
 - sexual behaviour in 93
 - sexual forms of, effects of photoperiod on production of 4941
 - stylets in, amputation of 2551
 - symbionts in, cultures of 132
 - taxonomy of, characters distinguishing *Macrosiphum euphorbiae* and 2359
 - virus transmission by 1449
- Acyrtosiphon porosum***
- biology of 3356
 - in Chile 3356
 - in São Tomé 4208
 - on *Rosa*, in Chile 3356
 - on rose, in São Tomé 4208
- Acyrtosiphon sesbaniae***, cowpea aphid-borne mosaic virus in, transmission of 4948
- Acyrtosiphon solani*** (see *Aulacorthum*)
- Adalia***, preying on, aphids, in Italy 1407
- Adalia bipunctata***
- development in, effects of nutrition on 2494
 - fecundity in 5451
 - illustrations of 1106
 - in Canada 3590
 - in Czechoslovakia 5249
 - in Finland 5451
 - in Italy 3727
 - in Poland 1106
 - in UK 2401
 - in USSR 5456
 - in orchards, in Poland 1106
 - melanism in 5249
 - causes of 2401
 - oviposition in, choice of sites for 7201
 - population increase in, relation of prey consumption and 2716
 - preying on
 - Anetoidia aneti* 6834

***Adalia bipunctata* contd.**

- preying on *contd.*
- aphids, and biological control using, in UK 798

Cinara cedri, in Italy 3727

Drepanosiphum platanoides 6834

Myzus persicae 2494

and biological control using 5451

Rhopalosiphum maidis, in Canada 3590

reproduction in, effects of nutrition on 2494

searching behaviour in 6834

Adalia decempunctata*, population increase in, relation of prey consumption and 2716**Adelencyrtus aulacaspidis***

in Japan 785

parasitising, *Quadraspidiotus*

macroporatus, in Japan 785

Adelencyrtus miyarai

in Tanzania 245

parasitising, *Aulacaspis tegalensis*, in Tanzania 245

Adelges

control of, insecticides for 4419

on *Abies alba*, in Sweden 3768

on *Picea abies*

damage caused by 4419

in Switzerland 4419

preyed on by, *Scymnus impexus*, and biological control using, in Sweden 3768

Adelges abietis

control of, insecticides for 5035

in France 7426

in UK 5035

in West Germany 1527

on *Picea*

effects of atmospheric fluorine on 1527

in UK 5035

in West Germany 1527

on *Picea abies*

galls of 7426

in France 7426

resistance to, relation of phenols and 7440

traces of feeding by 7112

Adelges merkeri

distribution of 4404

in Sweden 3768

on *Abies alba*, in Sweden 3768

on *Picea*, galls of 4404

preyed on by, *Scymnus impexus*, and biological control using, in Sweden 3768

Adelges nordmannianae

biology of 5676

control of, insecticides for 5676

distribution of 4404

in Sweden 3768

in USSR 5676

***Adelges nordmannianae* contd.**

on *Abies alba*, in Sweden 3768

on *Picea*

damage caused by 5676

in USSR 5676

on *Picea omorika*, galls of 4404

on *Picea orientalis*, galls of 4404

preyed on by, *Scymnus impexus*, and biological control using, in Sweden 3768

Adelges piceae

control of, insecticides for 4579

in Sweden 3768

in USA 4579

on *Abies alba*, in Sweden 3768

on *Abies fraseri*, in North Carolina 4579

preyed on by, *Scymnus impexus*, and biological control using, in Sweden 3768

Adelges prelli

distribution of 4404

on *Picea omorika*, galls of 4404

on *Picea orientalis*, galls of 4404

Adelges strobilobius*, on *Picea abies*, traces of feeding by 7112**Adelges tardus***

in France 7426

on *Picea abies*

galls of 7426

in France 7426

resistance to 7426

Adelgidae

on *Picea sitchensis*

galls of 7417

in UK 7417

Adelina

in

Heteronychus arator, in New Zealand 3134

Hypera brunneipennis, in California 4483

H. postica, in Iraq 4483

Adelina tribolii

in

Attagenus fasciolatus, in Yugoslavia 4485

Tribolium confusum, in Yugoslavia 4485

Adelphocoris*, on lucerne, in Romania 2842**Adelphocoris lineolatus***

biology of 307, 4294, 5530, 6082

control of

Bacillus thuringiensis for 6081

crop management for 5530

insecticides for 4294, 5530, 6082, 6707

development in 307

in Bulgaria 1986, 5374

in East Germany 307

in France 2841, 4294

in USA 3464

in USSR 5530, 6081–6082, 6167, 6707

migration in 3464

Adelphocoris lineolatus contd.

on lucerne

damage caused by 2841, 5530,
6082

in Bulgaria 1986

in East Germany 307

in France 2841, 4294

in Iowa 3464

in Krasnodar 5530

in Russian Republic 6707

in Ukraine 6082

in USSR 6081

on potato, in USSR 6167

on soy bean, in Iowa 3464

Adelphocoris seticornis, in Bulgaria 5374**Adelphocoris suturalis** (see *A. ticinensis*)**Adelphocoris ticinensis**, digestive enzymes in 2396**adelungii, Isophya** (see *I. schneideri*)**Ademon decrescens**

in Pakistan 2749

parasitising, *Hydrellia* spp., in Pakistan 2749**Adenine** (see 1 *H*-Purin-6-amine)**Adenosine**in *Pieris brassicae* 71

accumulation of 1743

cyclic 3',5'-(hydrogen phosphate)

in *Drosophila melanogaster*,
developmental changes in 2384in *Locusta migratoria* thorax, effects of
flight-muscle stimulation on 1116in *Schistocerca americana*, metabolism
of 3525**Adenosine 5'-(tetrahydrogen triphosphate)**,in *Schistocerca americana* 3525**Adenosine 5'-(trihydrogen diphosphate)**in *Pieris rapae*, affinity of alkaline
phosphatase for 6511in *Schistocerca americana* 3525**5'-Adenylic acid**, in *Schistocerca americana* 3525**Adhatoda vasica***Brevipalpus obovatus* on, development of
3440chopped leaves of, against, *Sitotroga*
cerealella 937**Adjuvants**, as oviposition repellents for*Tetranychus urticae* 1004**Adonia undecimnotata** (see *Semiadalia*)**Adonia variegata**

in Bulgaria 1499, 1504, 2262

in South Africa 5951

in USSR 5456, 6920

insecticides in, toxicity of 1499

preying on

Acyrtosiphon pisum, in Bulgaria
2262*Heliothis armigera*, in Tadzhikistan
6920*Macrosiphum rosae*, in Bulgaria 1499,
1504**Adonia variegata** contd.

preying on contd.

Phthorimaea operculella, in South
Africa 5951**adonidum, Pseudococcus****Adonis vernalis**, *Lygaeus equestris* on,
feeding by 634**Adoretus bicolor**

control of, traps for 846

emergence in 846

in India 846

on grapevine, in Karnataka 846

Adoretus brachypygus

control of, insecticides for 4888

in India 4887-4888

on grapevine, in Punjab 4887-4888

Adoretus duvauceli

control of, insecticides for 4888

in India 4887-4888

on grapevine, in Punjab 4887-4888

Adoxomone (see 9-Tetradecen-1-ol, acetate,
(Z)-, with (Z)-11-tetradecenyl acetate)**Adoxophyes**

control of, biological 5113

on apple, in Switzerland 3626

population dynamics of 3626

Adoxophyes fasciata

in Japan 786, 1849, 3147

on *Euonymus japonicus*, granulosis virus
in, in Japan 3147

on tea, in Japan 786, 1849

parasitised by, *Goniozus japonicus*, in
Japan 786**Adoxophyes orana**

attractants for 1139

control of

Bacillus thuringiensis for 2109

growth regulators for 6382

integrated 7617

photoperiodic manipulation for 6349

sterile-insect release for 7555

timing of sprays for 3631, 4903

use of pheromones in 7558

viruses for 3147

diapause in, effects of interrupted dark
periods on 3649

fertility in

effects of fast neutrons on 4086

effects of JH mimics on 3283

effects of X-irradiation on 4086

granulosis virus in

and biological control using, in Japan
3842

in Japan 3147

in East Germany 1419

in France 1139, 3498

in Hungary 4211, 4307

in Japan 786, 1849, 2109, 3147, 3842

in Netherlands 327, 3631, 4903, 6349,
7555, 7558, 7617

in Poland 4306

in UK 7591

***Adoxophyes orana* contd.**

- in West Germany 1634, 3208
- metamorphosis in, effects of JH mimics on 3283
- on apple
 - assessing infestations of 3631
 - in East Germany 1419
 - in Hungary 4211, 4307
 - in Japan 786, 3147, 3842
 - in Netherlands 327, 3631, 4903, 7555, 7617
 - in Poland 4306
- on cherry, in Poland 4306
- on fruit trees
 - in Europe 7552
 - in Japan 1849
- on medlar, in Hungary 4211, 4307
- on pear 6733
 - in Hungary 4211, 4307
 - in Japan 786
 - in Poland 4306
- on quince, in Hungary 4307
- on tea, in Japan 2109
- parasites of, in Hungary 4211
- parasitised by
 - Apanteles xanthostigmus*, in Netherlands 327
 - Goniozus japonicus*, in Japan 786
- reproduction in, effects of JH mimics on 3283
- sex pheromone of 4627
 - inhibitors of response to 1069
- traps for 1634, 3208, 3260, 3498, 4903, 7591

***Adoxophyes reticulana* (see *A. orana*)**

DP (see Adenosine 5'-(trihydrogen diphosphate))

drastus

- control of, insecticides for 4262
- on maize, in Yugoslavia 4262

dria parvula

- in Pakistan 1338
- on weeds, in Pakistan 1338

dvena, Ahasverus***dvenella, Eurhodope, (Rhodophaea)******echmea caudata***

- Opogona sacchari* on
 - damage caused by 6201
 - in Italy 6201

edea, Eterusia***edes aegypti***

- control of
 - growth regulators for 3876, 5298, 6937
 - insecticides for 5192, 6953
- dicrotophos in, bioassay for 5381
- endosulfan in, toxicity of 2643
- endosulfan metabolites in, toxicity of 2643
- insecticide susceptibility in, effects of herbicides on 5776

***Aedes aegypti* contd.**

- iridescent virus in, nucleic acid synthesis by 953
- mating competitiveness in, effects of γ -irradiation on 3237
- phosphamidon in, bioassay for 5381
- sterilisation of, γ -irradiation for 3237
- toxaphene components in, toxicity of 4538
- trichlorphon in, bioassay for 5381

Aedes japonicus*, wing beat in, analysis of 1807**Aedia leucomelas***

- descriptions of 1470
- Entomophthora* spp. in, in Japan 6173
- in Japan 6173
- on sweet potato
 - development of 1470
 - in Japan 6173

aegaeus, Coccus

- Aegeria exitiosa*, sex attraction in 2413

Aegeria nauticaa

- in Malaysia 6228
- in stored illipe nuts, in Sarawak 6228

***Aegeria pictipes* (see also *Synanthedon pictipes*)**

- life-span in, effects of γ -irradiation on 2465
- mating competitiveness in, effects of γ -irradiation on 2465
- on apple, rearing of 1845
- rearing of, diets for 1845
- sex attraction in 2413
- sex pheromone of 1222
- traps for 1222

aegopodii, Cavariella

- Aegopodium podagraria*, *Papilio machaon* on, oviposition by 1183

Aegorhinus phaleratus

- biology of 686
- control of, insecticides for 686
- in Chile 686
- on peach, in Chile 686
- on plum, in Chile 686
- on *Salix*, in Chile 686
- on strawberry, in Chile 686

aegypti, Aedes***aegyptiacus, Cybocephalus******aegyptiacus, Messor******aegyptiacus, Prochiloneurus*****(*Achrysopophagus*)*****aegyptium, Anacridium******aegyptium, Xanthogramma* (see *Ischiodon aegyptius*)*****aegyptius, Ischiodon******aegyptius, Paragus******Aegyptobia*, in Mexico 1722*****Aelia***

- control of, insecticides for 1940-1941
- distribution of 1347
- keys to 4609

***Aelia* contd.**

- on barley, in Bulgaria 1347
- on wheat
 - damage caused by 5494
 - effects of fertilizers on 6917
 - in Bulgaria 1347, 1940–1941, 5494
 - in Romania 6917

- population dynamics of 1941
- taxonomy of, characters for 4609

Aelia acuminata

- biology of 6701
- control of
 - crop management for 6701
 - insecticides for 6701
- descriptions of 4609
- diapause in 624, 2480
- in Bulgaria 5494
- in Czechoslovakia 624, 2480
- in Greece 4609
- in USSR 6701
- on grain crops, in Greece 4609
- on grasses
 - damage caused by 6701
 - in USSR 6701
- on wheat
 - damage caused by 5494
 - in Bulgaria 5494

Aelia furcula

- descriptions of 4609
- in Greece 4609

Aelia germari

- in Morocco 6005
- parasitised by
 - Ooencyrtus fecundus*
 - and biological control using 7232
 - in Morocco 6005
 - Trissolcus grandis*
 - and biological control using 7232
 - in Morocco 6005

Aelia klugii

- descriptions of 4609
- in Greece 4609

Aelia rostrata

- descriptions of 4609
- in Bulgaria 5494
- in Greece 4609
- on grain crops, in Greece 4609
- on wheat
 - damage caused by 5494
 - in Bulgaria 5494

Aelia virgata

- descriptions of 4609
- in Greece 4609

Aeliomorpha lineatocollis

- in Pakistan 1338
- on Poaceae, in Pakistan 1338

Aeneolamia

- in pastures, in Venezuela 1365
- on sugar-cane, in Venezuela 1365

Aeneolamia contigua postica

- in Mexico 1363

***Aeneolamia contigua postica* contd.**

- on grasses
 - damage caused by 1363
 - in Mexico 1363

Aeneolamia occidentalis

- control of 4249
- in Mexico 4249
- on *Digitaria decumbens*, in Mexico 4249
- population dynamics of 4249

Aeneolamia postica* (see *A. contigua postica*)**Aeneolamia varia***

- control of, insecticides for 1935
- in Venezuela 1935–1936
- on sugar-cane
 - assessing infestations of 1936
 - in Venezuela 1935–1936

Aeneolamia varia deusta

- control of, insecticides for 1365
- in Venezuela 1365
- on grasses, in Venezuela 1365

Aeneolamia varia falconiana

- control of, insecticides for 1365
- in Venezuela 1365
- on grasses, in Venezuela 1365

Aeneolamia varia saccharina

- carbaryl resistance in, in Trinidad 243
- control of, insecticides for 243
- egg-hatch in 2768
- in Trinidad and Tobago 243, 2768
- on sugar-cane, in Trinidad 243
- oviposition in 2768
- propoxur resistance in, in Trinidad 243

Aeneolamia varia sontica

- control of, insecticides for 1365
- in Venezuela 1365
- on grasses, in Venezuela 1365

Aeneolamia varia turenensis

- control of, insecticides for 1365
- in Venezuela 1365
- on grasses, in Venezuela 1365

aeneoviridis, Catolaccus***aenescens, Naranga******aeneum, Callidium******aeneus, Malachius******aeneus, Meligethes******aeneus, Omalus******Aenictogitini*, taxonomy of 4608*****Aeolothrips fasciatus***

- in USSR 6157
- preying on, *Kakothrips pisivorus*, in Mordovian Republic 6157

Aeolothrips intermedius

- in Bulgaria 1333, 5650
- in Poland 3568
- in USSR 386, 6157, 6920
- in cotton fields, in Tadzhikistan 386
- on Cruciferae, in Poland 3568
- preying on
 - aphids, in Bulgaria 1333
 - Heliothis armigera*, in Tadzhikistan 6920

- Aeolothrips intermedius* contd.**
 preying on *contd.*
Kakothrips pisivorus, in Mordovian Republic 6157
 thrips, in Bulgaria 1333
Thrips tabaci, in Bulgaria 5650
- Aeolothrips meridionalis***, in India 7028
- aequinotialis, Rhizotrogus***
- aereus, Monodontomerus***
- Aerial photography**, for assessing damage to pastures by *Costelytra zealandica* 2825
- aeriferanus, Ptycholomoides***
- aeronauticus, Linyphantes***
- Aerosil 200** (see Silica)
- aeruginosus, Limonium***
- Aesculin** (see 2*H*-1-Benzopyran-2-one, 6-(β -D-glucopyranosyloxy)-7-hydroxy-)
- Aesculus hippocastanum***
Curculio elephas on, in Yugoslavia 5121
Eulecanium tiliae on, in British Columbia 6211
- Aestivation**
Amphipyra livida 7107
Coccinella spp. 3604
Delia brassicae 5592
D. platura 5592
Hippodamia convergens 3604
Hyllobius pales 1508
Hypera brunneipennis 3604
Leptinotarsa decemlineata 6530
Noctua comes 4099
N. fimbriata 4099
N. pronuba 4099
Pachylobius picivorus 1508
Pegohylemyia fugax 5592
- aestivum, Apion*** (see *A. trifolii*)
- Aetalionidae**, taxonomy of 3359
- Aethina tumida***
 in South Africa 5954
 pest of honeybee, in South Africa 5954
- aethiopoidea, Microctonus***
- aethiops, Microctonus***
- aethiops, Stethorus***
- Aethus laticollis***, distribution of 3366
- Aethus laticollis orientalis***
 subsp. nov., description of 3366
 in India 3366
 on *Pennisetum typhoides*, in Punjab 3366
 on wheat, in Punjab 3366
- aethusae, Dysaphis crataegi***
- ffaber, Alcidodes***
- ffaber, Dryocoetes***
- ffinis, Chrysobothris***
- ffinis, Dibrachys***
- ffinis, Drosophila***
- ffinis, Harpalus***
- ffinis, Pempherulus***
- ffinis, Schizonycha***
- ffinis, Sycanus***
- ffinis, Urophora***
- ffinis, Xyleborus***
- Afghanistan**
Anacanthotermes macrocephalus in 4814
Pachyscelis zhenzhuristi in, in raisins 5714
Psix abnormis in 6997
- Aflatoxin B₁**, in maize, production of 4260
- afraziata, Mirufens***
- Africa**
Chlaenius spp. in 1913
 cotton in, pests of 2086
 Derbidae in 6441
 Lepidoptera in, natural enemies of 5450
Nomadacris septemfasciata in 5415
Scopaeus spp. in 6440
Sisyphus spp. in 557
 stored products in, storage and preservation of 3777
- Africa, East**
Acostemma lucida in 6442
Eldana saccharina in
 natural enemies of 232
 on sugar-cane 232
 forest pests in 3355
 pest control in 5089
Spodoptera exempta in 3355
- Africa, North, *Aiolopus thalassinus*** in 5418
- Africa, West**
 cacao in, pests of 1492
Coelaenomenodera elaeidis in, natural enemies of 1166
Cola in, insect pests of 4245
Temnoschoita spp. in
 on coconut 1385
 on oil palm 1385
- africana, Crematogaster***
- africana, Gryllotalpa***
- africana, Neocypholaelaps***
- africanum, Macrosiphum***, (*Sitobion*)
- africanus, Agistemus***
- africanus, Aphytis***
- africanus, Closterocherus***
- africanus, Lyctus***
- Afrocidens***
 on cacao
 damage caused by 1494
 in Cameroon 1494
- Afrocidens confusus***
 sp. n., description of 6047
 in Nigeria 6047
- Afrogigagnathus tawfiki***
 gen. et sp. nov., description of 4590
 in Egypt 4590
 on *Tamarix gallica*, in Egypt 4590
- Afrohippus taylori***
 food consumption of 116
 in Tanzania 116
 in grassland, in Tanzania 116
- Afugan** (see Pyrazolo[1,5-*a*]pyrimidine-6-carboxylic acid, 2-[[diethoxyphosphinothioyl]oxy]-5-methyl-, ethyl ester)

afzelii, Tarachodes**Agallia constricta**

- cell cultures from 121
- control of, insecticides for 5503
- in USA 5503
- on maize, in Georgia (USA) 5503
- on *Trifolium incarnatum* 6543
- sounds and associated behaviour in 6543

Agalliopsis novella

- on *Trifolium incarnatum* 6543
- sounds and associated behaviour in 6543

agamemnon, Chilo**Agapanthia cardui**

- biology of 1979
- in Italy 1979
- on *Erigeron*, in Italy 1979
- on *Melilotus alba*, in Italy 1979

Agapanthia villosoviridescens

- biology of 1979
- in Italy 1979
- on *Cirsium*, in Italy 1979
- on *Parietaria*, in Italy 1979
- on *Urtica*, in Italy 1979
- parasitised by, *Habrocytus lixi*, in Italy 1979

Agapanthia violacea

- biology of 1979
- in Italy 1979
- on *Centranthus ruber*, in Italy 1979
- on *Melilotus officinalis*, in Italy 1979
- parasites of, in Italy 1979

Agar

- culture-medium component for, insecticidal fungi 227
- diet component for

- Acrolepiopsis assectella* 1830
- Agrotis segetum* 6572
- Anadevidia peponis* 1832
- Anastrepha suspensa* 3218
- Bombyx mori* 5394
- Chilo suppressalis* 134
- Costelytra zealandica* 1713
- Cydia pomonella* 3253-3254
- Dacus oleae* 5136
- Diatraea saccharalis* 6577
- Diparopsis castanea* 1840
- Eurygaster integriceps* 5388
- Heliothis armigera* 3495
- H. zea* 6577
- Hydraecia micacea* 1238
- Hyphantria cunea* 1242
- Lepidoptera 1230
- Mamestra brassicae* 6573
- Melanoplus sanguinipes* 5085
- Ostrinia nubilalis* 5393
- Pectinophora gossypiella* 3491
- Perniphora robusta* 6617
- Rhynchophorus ferrugineus* 6088
- Semiadalia undecimnotata* 89, 2570
- Spodoptera exigua* 5923
- S. littoralis* 668
- S. litura* 1239

Agar contd.

diet component for *contd.*

Tipula oleracea 5396

Agaricus bisporus, *Heteropeza pygmaea* on, in Taiwan 809

Agaristidae, generic names of 3999

Agasicles hygrophila

- fecundity in, effects of plant nutrition on 3446
- feeding in, effects of plant nutrition on 3446

host-plant selection in, effects of plant nutrition on 3446

in Argentina 3563

on *Alternanthera philoxeroides* 3446

and biological control using

in Florida 2747

in Louisiana 2747

in USA 3563

Agathis cingulipes

- in Hungary 2012
- parasitising, *Spilonota ocellana*, in Hungary 2012

Agathis rubricinctus

- in Trinidad and Tobago 1304
- parasitising, *Elasmopalpus lignosellus*, in Trinidad 1304

Agathis rufipes

Bacillus thuringiensis in, not pathogenic 6020

biology of 6107

in Austria 3252

in USSR 6020, 6107

parasitising

Cydia pomonella

in Austria 3252

in Kazakhstan 6020

in Ukraine 6107

Agathis unicolor

in Argentina 1277

in Uruguay 1277

parasitising, *Phthorimaea operculella*, in South America 1277

agathonica, Amphorophora

Agave angustifolia, *Aphis gossypii* on, in Tamil Nadu 2113

Agelastica alni

control of, insecticides for 3960

in Austria 1516

in Netherlands 3960

in West Germany 1516

on *Alnus incana*

effects of agricultural practices on 1516

in Austria 1516

in West Germany 1516

on elder, in Netherlands 3960

Ageniaspis, parasitising, *Yponomeuta*

padellus, and biological control using, in Uzbekistan 6019

Ageniaspis fuscicollis

biology of 6818

- Ageniaspis fuscicollis*** *contd.*
 descriptions of 6818
 in Romania 7421
 in USSR 6103, 6818
 parasitising
 Acrolepiopis assectella 1830
 Prays oleae 1830
 Yponomeuta padellus, in Georgia (USSR) 6103
 Y. rorellus
 in Romania 7421
 in Ukraine 6818
Agenius zebra, cuticle in, mechanical properties of 4050
Ageratum conyzoides, *Telephila* spp. on, development of 1326
Agevillea abietis
 biology of 4389
 fungi in, in West Germany 4389
 in West Germany 4389
 Mermithidae in, in West Germany 4389
 on *Abies alba*, in West Germany 4389
 parasitised by
 Elachertus inunctus, in West Germany 4389
 Platygaster manto, in West Germany 4389
Agglutination tests, for comparing insect-infecting rickettsiae 3825
Aggregation pheromones
Dendroctonus spp. 925
D. frontalis 7418
D. ponderosae 7414
D. pseudotsugae 2449
Gnathotrichus sulcatus 61
Ips spp. 4635
I. confusus 7057
I. duplicatus 1142
I. typographus 2152
Scolytidae 602
Scolytus multistriatus 4632-4634
Tomicus destruens 604
insect control using 3870
Agilis, *Anystis*
Agilis, *Eulachnus*
Agilis, *Mesochorus*
Agilis, *Parasetigena*
 (*Phorocera*)
aging, *Callosobruchus analis* 4041
Agistemus, preying on, *Oligonychus hondoensis*, in Nagasaki Prefecture 3739
Agistemus africanus
 in South Africa 5949
 preying on, *Panonychus ulmi*, in South Africa 5949
Agistemus exsertus
 in Egypt 3693
 in Japan 336
 in citrus groves, in Japan 336
 preying on, Tetranychidae, in Egypt 3693
Agistemus fleschneri
 fungicides in, toxicity of 5562
 in USA 4803, 5562
 preying on, Tetranychidae, in Missouri 4803, 5562
Agistemus terminalis
 in Japan 336
 in citrus groves, in Japan 336
Aglais urticae, migration in 2611
Aglenus brunneus
 in Yugoslavia 5045
 in warehouses, in Yugoslavia 5045
Agonatopoides, keys to 7206
Agonatopoides johannae
 sp. nov., description of 7206
 in Italy 7206
 parasitising, *Megadelphax* spp., in Italy 7206
Agonatopoides striatus
 descriptions of 7206
 parasitising, Delphacidae 7206
Agonatopoides synchronus
 descriptions of 7206
 parasitising, Delphacidae 7206
Agonocryptus, parasitising, *Heilipus velamen*, in Brazil 1884
Agonum dorsale
 in Switzerland 5593
 in UK 4347, 4772
 in West Germany 1198, 6007
 in grain fields
 effects of insecticides on 6040
 in England 4772
 in sugar-beet fields, in UK 4347
 prey of, in West Germany 1198
 preying on
 aphids, in England 4772
 Delia spp., in Switzerland 5593
 traps for 1198
Agonum magnum
 in Japan 1358
 preying on, *Chilo suppressalis*, in Japan 1358
Agonum muelleri, in West Germany 6007
agrestis, *Pardosa*
agrestoria, *Echthromorpha*
Agria 1050 (see Fenitrothion)
agriae, *Trichogramma*
agricola, *Anisoplia*
agricola, *Chrysophtharta*
 Agricultural chemicals, environmental aspects of 5164
 Agricultural pests, control of, biological 968
Agrilus anxius
 biology of 3060
 control of 3060
 in USA 3060
 on *Betula*
 damage caused by 3060
 in Washington 3060

Agrilus biguttatus

in France 7427

on *Quercus*

in France 7427

tumors caused by 7427

Agrilus bilineatus

biology of 3744

control of 3744

in USA 3744, 7439

on *Quercus*

damage caused by 7439

in Connecticut 3744, 7439

Agriolimax*, preying on, *Cydia pomonella
6732***Agriotes***

control of

assessing effectiveness of 2964

insecticides for 1060, 2281, 2663,
2947, 2964, 3949–3950, 3953, 7600

on beet, in France 2947

on maize

in France 3950

in Italy 3953

on potato

in France 2964

in Italy 3953

on sugar-beet 7600

in France 3950

in Greece 2663

in Italy 3953

on wheat, in England 1060

Agriotes lineatus

biology of 4763

control of 4763

insecticides for 2664

in Sweden 3517

in Switzerland 4744

in UK 4763

in USSR 987

Neoplectana carpocapsae in, in USSR
987

orientation in

to CO₂ 4744

to germinating seeds 4744

Agriotes medvedevi

control of, insecticides for 4262

in Yugoslavia 4262

on maize, in Yugoslavia 4262

Agriotes obscurus

biology of 4763

control of 4763

insecticides for 4262

in Canada 300

in Sweden 3517

in Switzerland 4744

in UK 4763

in Yugoslavia 4262

in grassland, in Nova Scotia 300

on maize, in Yugoslavia 4262

orientation in

to CO₂ 4744

to germinating seeds 4744

Agriotes sordidus italicus, in Canary Islands
7146***Agriotes sputator***

biology of 4763

control of 4763

insecticides for 152, 4262

food-plants of 152

in Bulgaria 152

in UK 4763

in Yugoslavia 4262

on maize, in Yugoslavia 4262

Agriotes ustulatus

control of, insecticides for 152, 4262

food-plants of 152

in Bulgaria 152

in Yugoslavia 4262, 4771, 4972

on maize, in Yugoslavia 4262

on sunflower, in Yugoslavia 4972

Agritox* (see Trichloronate)**Agrius convolvuli****Entomophthora* spp. in, in Japan 6173

in India 1882

in Japan 6173

in Papua New Guinea 5630

migration in 2646

on *Clerodendron fragrans*, in Karnataka

1882

on *Colocasia antiquorum*, in Karnataka

1882

on *Phaseolus*, in Karnataka 1882

on sweet potato

in Karnataka 1882

in Papua New Guinea 5630

parasitised by

Telenomus spp., in Karnataka 1882*Trichogramma achaeae*, in Karnataka
1882*T. agriae*, in Karnataka 1882*T. australicum*, in Karnataka 1882***Agriya 1050* (see Fenitrothion)*****Agrocera* (see Heptachlor)*****Agromyza intermittens***

in Yugoslavia 4831

on wheat, in Yugoslavia 4831

Agromyza nigrella

in Yugoslavia 4831

on wheat, in Yugoslavia 4831

Agromyza phaseoli* (see *Ophiomyia*)**Agromyza virens* (see *Melanagromyza*)***Agromyzidae*, on lucerne, in Chile 690***Agronex TA* (see Aldrin, with thiram)*****agropyri*, *Eriopeltis* (see *E. festucae*)***Agropyron*, *Oria musculosa* on 270*Agropyron caninum*, *Agropyron* mosaic
virus in, in Wales 5495*Agropyron cristatum*, pest control on, in
Wyoming 2259*Agropyron kamijo*, *Laodelphax striatella* on,
in South Korea 4132

Agropyron mosaic virus

- in
 - Abacarus hystrix*, transmission of 5495
 - Agropyron caninum*, in Wales 5495
 - A. repens*, in UK 5495

Agropyron repens

- Agropyron* mosaic virus in, in UK 5495
- Hadena sordida* on, in Kazakhstan 1346
- Locusta migratoria* on, egg production in 1862

Agropyron spicatum, dung-beetle activity increasing production of 4285**Agrotis**

- control of 4981
 - insecticides for 1341, 3687, 3949
 - viruses for 6910
- on cotton
 - in Swaziland 4981
 - in Venezuela 2091
- on *Duboisia*, in Queensland 225
- on grain crops, in Iran 1341
- on maize, in Iran 1341
- on potato
 - damage caused by 3687
 - in Punjab 3687
- parasitised by
 - Thymebatis bicolor*, in Brazil 1884
 - T. neotropica*, in Brazil 1884
- population growth in, effects of irrigation on 1194

Agrotis crassa

- in USSR 7007
- taxonomy of, characters distinguishing *A. segetum* and 7007

Agrotis exclamationis

- control of
 - baits for 375
 - viruses for 6910
- in Denmark 6910
- in East Germany 375
- in France 548
- in Sweden 6910
- in USSR 3856
- on maize, in East Germany 375
- on potato, in East Germany 375
- on rape, in East Germany 375
- on sugar-beet, in East Germany 375
- on turnip, in East Germany 375
- on wheat, in East Germany 375
- parasitised by, *Pales pavidus*, in France 548
- traps for 375

Agrotis festucae (see *Plusia*)**Agrotis fucosa**

- Entomophthora* spp. in, in Japan 6173
- in Japan 6173

Agrotis gladiaria

- in Canada 6599
- in USA 6599
- literature on 6599

Agrotis ipsilon

- allelochemicals in, effects on development of 5857-5858
- carbaryl susceptibility in, effects of food-plant on 4553
- control of
 - antifeedants for 3348
 - baits for 2965, 4095, 5940
 - crop management for 5940
 - insecticides for 152, 728, 2661, 2965, 4095, 4553, 4923, 5750
- Neoplectana carpocapsae* for 987
- descriptions of 3515
- development in, thermal requirements for 3384
- emergence in, relation of lunar phase and 4364
- farnesane derivatives in, growth-regulator activity of 6939
- feeding behaviour in 4095, 5940
- fentin hydroxide in, effects of 4687
- flight activity in 4018
- food-plants of 152, 3515
- hemocytes in 6493-6494
- in Australia 630
- in Bulgaria 152, 2077
- in Egypt 4018, 4364
- in India 901
- in Indonesia 728
- in Iran 1340
- in Japan 113, 4880
- in Mexico 1164
- in New Zealand 3515
- in Rhodesia 5940
- in Turkey 2965
- in USA 4923
- in pastures, in Iwate Prefecture 4880
- intraspecific competition in 113
- life-cycle of 3515
- literature on 4332
- metopa in, effects of 4687
- migration in 4095, 4880
- nuclear polyhedrosis virus in, infectivity of 2239
- on cabbage
 - development of 4553
 - in Indonesia 728
- on *Capsicum*, in Bulgaria 2077
- on Chinese cabbage 632
- on cotton, in Egypt 4018, 4364
- on cruciferous crops, in Japan 113
- on lettuce
 - artificial infestation with 2661
 - development of 4553
 - in Florida 4923
- on lucerne, development of 4553
- on maize
 - feeding by 5940
 - in Bulgaria 2077
 - in Indonesia 728
- on *Orobancha*, in Gujarat 901
- on potato, in Turkey 2965

***Agrotis ipsilon* contd.**

- on *Ricinus communis* 3348
- development of 4553
- on spinach, development of 4553
- on sugar-beet, in Japan 113
- on tobacco
 - feeding by 5940
 - in Bulgaria 2077
- on tomato, in Bulgaria 2077
- on *Trifolium*, in Japan 113
- on vegetable crops 4332
- on *Vigna unguiculata* 632
- oviposition in 630
 - relation of lunar phase and 4364
- parasitised by, *Trichogramma* spp., and biological control using, in Bulgaria 2077
- pheromones in 3377
- phototaxis in 632
- pupation in 5940
- rearing of, diets for 2661
- scent glands in 3377
- seasonal abundance of 728
- sex ratio in 4880
- traps for 630, 1164, 1224, 1340, 4880

Agrotis malefida*, in Peru 156**Agrotis munda***

- in Australia 630, 6193
- on tobacco, in Queensland 6193
- oviposition in 630
- traps for 630

Agrotis segetum

- biology of 659, 1186, 1340, 6528
- control of 3219, 3856
 - Bacillus thuringiensis* for 5736
 - baits for 375, 2965, 5940
 - crop management for 5940
 - insecticides for 152, 2664, 2965, 3854, 3894, 6032
 - plant extracts for 6032
 - viruses for 6910
- copper compounds in
 - effects of 1659
 - toxicity of 5792
- development in 375
- enzymes in 580
- feeding behaviour in 5940
- fertility in
 - effects of copper on 5792
 - effects of riboflavin on 1767
- food-plants of 152, 1340
- granulosis virus in
 - and biological control using, in Uzbekistan 3855
 - preparations of 3819
 - virulence of fractions of 6326
- in Bulgaria 152, 511
- in Denmark 6910
- in East Germany 375
- in France 6346
- in Iran 1340
- in Rhodesia 5940

***Agrotis segetum* contd.**

- in Sweden 6910
- in Turkey 2965
- in USSR 659, 1186, 3854-3856, 5458, 6620, 6783, 7007
- natural enemies of, in USSR 3854
- nuclear polyhedrosis virus in
 - in France 6346
 - infectivity of 2239
 - specificity of 6346
- on cotton, in Uzbekistan 5458
- on lupin, in Uzbekistan 5458
- on maize
 - feeding by 5940
 - in East Germany 375
- on potato
 - in East Germany 375
 - in Turkey 2965
- on rape, in East Germany 375
- on sugar-beet
 - effects of irrigation on 6783
 - in East Germany 375
 - in Kirghizia 6783
- on tobacco, feeding by 5940
- on turnip, in East Germany 375
- on wheat, in East Germany 375
- parasites of, in Uzbekistan 5458
- parasitised by
 - Trichogramma* spp., and biological control using, in USSR 3854, 3856
 - T. evanescens*, and biological control using, in USSR 6620
- population dynamics of 1186
- long-term forecasting of 659
- pupation in 5940
- rearing of, techniques for 6572
- sodium fluoride in, toxicity of 1031
- taxonomy of, characters distinguishing *A. crassa* and 7007
- traps for 375, 1224

Agrotis venerabilis

- in Canada 6600
- in USA 6600
- literature on 6600

Agyrotaenia pulchellana*, control of, insecticides for 317**Ahasverus advena***

- development in 3088
- in Yugoslavia 5718
- in stored wheat, effects of dockage on 5054
- in sunflower seeds, in Yugoslavia 5718
- life-span in 3088
- oviposition in 3088
- population density of 5718

Ahmaditermes

- gen. n., description of 4593
- in Bangladesh 4593

Ailanthus excelsa

- Atteva fabriaciella* on 4037
- development of 4027

***Aiolopus*, in Sudan 7170**

Aiolopus simulatrix

- control of, by spraying flying swarms 7505
- in Sudan 7505
- relation between atmospheric environment and 1173

Aiolopus simulatrix simulatrix, digestive enzymes in 4648**Aiolopus tamulus**

- in Australia 1233
- traps for 1233

Aiolopus thalassinus

- biology of 5418
- descriptions of 5418
- distribution of 5418
- in Iran 5418
- on cabbage, development of 5418
- on lettuce, development of 5418
- on lucerne, development of 5418

air

- pesticides in, residues of 3884
- phosphine in, indicator strips for 4544

air pollution

- Adalia bipunctata* not suitable as indicator of 2401
- effects on *Adelges abietis* on *Picea* of 1527
- not correlated with melanism in *Adalia bipunctata* 5249

aircraft

- agricultural uses of 6902
- methods of releasing sterilised insects from 493
- navigational systems as aids in insecticide application from 3164

airfields, bird control on, by destroying

- insect prey 2827

ak (see *Calotropis procera*)**akar** (see Chlorobenzilate)**akaritsidol** (see Chlorfenson, with malathion)**akartan** (see Dicofol, with dinocap)**aktelik** (see Pirimiphos-methyl)**akton** (see Phosphorothioic acid, *O*-(2-chloro-1-(2,5-dichlorophenyl)ethenyl) *O*, *O*-diethyl ester)**Alabama**

- Anthonomus grandis* in, on cotton 2994
- Diatraea grandiosella* in 6425
- Ostrinia nubilalis* in, on maize 3591
- Peregrinus maidis* in, on maize 6052
- Prionus imbricornis* in, on pecan 7294
- Solenopsis invicta* in 2698
- S. richteri* in 2698
- Synanthedon rhododendri* in, on rhododendron 6202

Alabama, in Mexico 1164**Alabama argillacea**

- control of, insecticides for 7390
- in USA 4728
- in Venezuela 2091
- on cotton, in Venezuela 2091

Alabama argillacea contd.

- traps for 4728

alacris, *Trioxa***Alanap** (see Naptalam)**L-Alanine***Galerucella grisea* feeding responses to 586

- in *Acheta domesticus* haemolymph 1753

- in *Agrotis segetum* granulosis virus 6326

- in *Apis cerana* haemolymph 1753

- in cotton 2088

- in *Danaus chrysippus* haemolymph 1753

- in *Dysdercus cingulatus* haemolymph 1753

- in *Macrosiphum euphorbiae* 3423

- in *Mylabris phalerata* haemolymph 1753

- in *Onitis distinctus* haemolymph 1753

- in *Spodoptera exigua* haemolymph 1753

- in sugar-beet, *Lygus disponi* causing increased level of 868

- in sugar-cane, effect on *Melanaphis indosacchari* reproduction of 2380

- in *Viteus vitifoliae* 2859

- Leptinotarsa decemlineata* feeding responses to 1184

- Phyllotreta nemorum* feeding responses to 3459

- Spodoptera littoralis* feeding response to 2088

compound with DDA

- in hamster, DDT metabolite 1690

- in mouse, DDT metabolite 1690

 β -Alanine

- in *Oryzaephilus surinamensis* 4680

- in *Phryxe caudata* larvae 6463

Alarm pheromones

- aphids 600

- Aphis craccivora* 7061

- Atta cephalotes* 748

- A. texana* 748

- Camponotus schaefferi* 4043

- Eurydema pulchrum* 1748

- E. rugosum* 1748

- Gnamptogenys pleurodon* 2410

- Membracidae 6534

- Myzus persicae* 7061

- Nezara viridula* 1748

- Oecophylla longinoda* 4628

- Pogonomyrmex barbatus* 1776

- Tyrophagus putrescentiae* 4676

Alaska

- Falco peregrinus* in, pesticide residues in 5815

- foodstuffs in, pests of 3779

- Rosenus pendulus* in, on grasses 1101

- R. transarcticus* in, on grasses 1101

- Scolytidae in, on *Picea* 4399

- seals in, organochlorine residues in 3322

alaskensis, *Pachynematus*, (*Pikonema*)

- Alauda arvensis*, preying on, *Mamestra brassicae*, in Japan 873

Albania, Tipulidae in 4713

albata, Semidialis**Alberta**

Bombus spp. in, natural enemies of

5992-5993

Cephus cinctus in, on wheat 277

Delia brassicae in 2041

D. extremitata in, on *Bromus* 7277

Deltocephalus serpentinus in, on grasses 1101

Discestra trifolii in 3398

forest pests in 5673

Mamestra configurata in, on rape 2914, 2916

Megachile pacifica in, on lucerne 7281

Monochamus spp. in, on *Pinus* 4414

Palus beirnei in, on grasses 1101

Taniva albolineana in, on *Picea* 3043

Tetropium parvulum in, in spruce logs 6320

albicans, Cyzenis**albicincta, Macrophyta****albicinctus, Orosius****albicollis, Megalopyge****albimanus, Trichomasthus****albinella, Rupela****albinus, Episomoides****albipes, Arrhenophagus****albipes, Grypocentrus****albipes, Technomyrmex****albitextura, Cardiaspina****albitibiae, Arrhenophagus****alvivannata, Platypyleura****Albizia, Psylla uncatoides** on, in California 21**Albizia julibrissin**

Homadaula anisocentra on damage caused by 6806

in Florida 6806

Albizia lebbek

Dialeurodes citri on damage caused by 6649

in Punjab 6649

albizziae, Homadaula (see *H. anisocentra*)**alboannulata, Macrophyta****alboacrinus, Sitona crinitus****albodentata, Dasychira****albofasciatus, Spanagonicus****alboguttata, Oncopera****albohirtum, Dermolepida****albolineana, Taniva****albonigrata, Cidaria** (see *Thera variata albonigrata*)**albonigrata, Thera variata****albovilosus, Eupteromalus**

Albumins, binding of triphenyltin to 2399

Albumins, blood serum, in *Acheta*

domesticus hemolymph 3424

Alcaligenes faecalis, in, *Dysdercus*

cingulatus, effects of drugs on 7064

Alcaligenes odorans

associated with, *Neoplectana carpocapsae* 1589

Alcaligenes odorans contd.

in, *Galleria mellonella*, pathogenicity of 1589

Alcides bubo (see *Alcidodes*)**Alcides collaris** (see *Alcidodes*)**Alcidodes**

food-plants of 2148

in Malaysia 2148

Alcidodes affaber

control of, insecticides for 3708

in India 3570, 3708

on cotton

damage caused by 3708

in Karnataka 3570, 3708

on *Hibiscus panduriformis*, in Karnataka 3570

on okra

damage caused by 3708

in Karnataka 3708

Alcidodes bubo

biology of 3572

in India 3572

on *Indigofera tinctoria*

damage caused by 3572

in Karnataka 3572

Alcidodes collaris

biology of 7347

in India 7347

on *Cajanus cajan*, in Karnataka 7347

on *Vigna mungo*, in Karnataka 7347

on *Vigna unguiculata*, in Karnataka 7347

Alcidodes leucogrammus

in Nigeria 4942

on *Vigna unguiculata*

damage caused by 4942

in Nigeria 4942

Alcidodes roelofsi (see *A. waltoni*)**Alcidodes waltoni**

biology of 2116

in India 2116

on *Ipomoea carnea*

damage caused by 2116

in Tamil Nadu 2116

parasitised by, *Bracon greeni*, in Tamil Nadu 2116

alcocki, Anysis**Alcohols**

in air of insect-rearing laboratories 4724

in *Anthonomus grandis* 72

in Coreoid metathoracic-gland secretions 3395

in oats, effects on *Delia coarctata* of 6462

in *Schistocerca gregaria*, effects on muscle contraction of 1250

in wheat grain, effects of *Trogoderma granarium* on 6312

Aldehydes

in *Anthonomus grandis* 72

in Coreoid metathoracic-gland secretions 3395

Alder (see *Alnus*)

Alder, black (see *Alnus glutinosa*)

Aldicarb (2-methyl-2-(methylthio)propanal O-[(methylamino)carbonyl]oxime)
against

Abacarus hystrix, on *Lolium* 6703

Aphis spp., on *Vigna unguiculata* 2053

A. craccivora, on groundnut 1459

A. fabae, on sugar-beet 1464

A. gossypii, on cotton 2090, 2995

Atherigona approximata, on *Pennisetum typhoides* 4830

A. soccata, on sorghum 836

Atomaria linearis, on sugar-beet 3945

Blaniulus guttulatus, on sugar-beet 3945

Brachydesmus superus, on sugar-beet 3945

Bucculatrix thurberiella, on cotton 896

Busseola fusca, on maize 5507

Callosobruchus maculatus 3898

Copitarsia turbata, on *Vicia faba* 697

Delia platura, on *Phaseolus vulgaris* 4557

Diabrotica longicornis 6049

Dysmicoccus cryptus, on coffee 4988

Fiorinia theae, on *Camellia japonica* 6203

Hypsipyla grandella, on *Swietenia macrophylla* 3079

Keiferia lycopersicella, on tomato 882

Liriomyza flaveola, on *Vicia faba* 697

Melanagromyza virens, on *Vicia faba* 697

Myzus humuli, on hop 4820

M. persicae

on chrysanthemum 3939

on rose 3939

on *Vigna unguiculata* 2053

pests of beet 2947

Phytomyza syngenesiae, on chrysanthemum 3939

Rhopalosiphum maidis, on maize 6049

Rhyacionia frustrana, on *Pinus radiata* 3040

Saissetia coffeae, on *Aphelandra squarrosa* 6802

Spodoptera eruda, on *Vicia faba* 697

S. littoralis 4550

Sundapteryx biguttula, on eggplant 1477

Tetranychus urticae

on chrysanthemum 3939

on hop 4820

on *Phaseolus vulgaris* 5185

on rose 3939

thrips

on cotton 4374

on tea 4991

Trialeurodes vaporariorum, on *Phaseolus* 3937

Aldicarb *contd.*

against *contd.*

Tryporyza nivella, on sugar-cane 267
formulations of 2995

carriers for 3877

in *Gladiolus*, effects off 4995

in honey, residues of 524

in nectar, residues of 524

in *Phasianus colchicus*, esterase inhibition by 6405

in pigeon, esterase inhibition by 6405

in potato, residues of 3916

in *Rhizobium japonicum*, effects on growth and metabolism of 6416

in soil

effects on microflora of 7664

release from granules of 1707

in soil fungi, metabolism of 6420

in *Spodoptera littoralis*, effects of exposure time on susceptibility to 4550

in sugar-beet fields, non-target effects of 2949

with carbaryl, against, *Sundapteryx*

biguttula, on eggplant 1477

with endosulfan, against, *Sundapteryx*

biguttula, on eggplant 1477

with monocrotophos, against, *Sundapteryx*

biguttula, on eggplant 1477

cyclic analogues of, insecticidal activity of 1023

Aldicarb nitrile sulfoxide (see

Propanenitrile, 2-methyl-2-

(methylsulfinyl)-)

Aldicarb oxime sulfoxide (see Propanal, 2-methyl-2-(methylsulfinyl)-, oxime)

aldrichi, *Hyperecteina*

aldrichii, *Hyalomya*

aldrichii, *Medetera*

Aldrin ((1 α ,4 α ,4 $\alpha\beta$,5 α ,8 α ,8 $\alpha\beta$)-

1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-

hexahydro-1,4:5,8-dimethanonaphthalene)

against

Agriotes spp., on sugar-beet 2663

Agrotis spp.

on maize 1341

on potato 3687

A. ipsilon, on potato 2965

A. segetum, on potato 2965

Anisoplia spp., on grain crops 7226

Anoplolepis longipes 3645, 5989

Atta opaciceps 4766, 4768

Camponotus friedae 3645

Catochrysops strabo, on *Cajanus cajan* 4955

Chalcodermus bimaculatus, on *Vigna unguiculata* 4946

Cosmopolites sordidus, on banana 1434

Euxoa messoria, on tobacco 6798

Exelastis atomosa, on *Cajanus cajan* 4955

Aldrin contd.against *contd.*

- Heliothis armigera*, on *Cajanus cajan* 4955
- Hylemya brassicae*, on brussels sprouts 2651
- Hylobius pales* 1664
- Lachnosterna* spp., on *Pinus resinosa* 1518
- L. consanguinea*, on groundnut 7362
- Lipaphis erysimi* 7190
on mustard 4545
- Melolontha hippocastani* 1510
- M. melolontha* 1510
- Messor aegyptiacus* 3532
- pests of maize 2792, 7671
- pests of wheat 2306
- Pheidologeton diversus* 3645
- Phyllophaga* spp., on *Pinus* 6837
- Psila rosae*, on carrot 3189
- Scirpophaga incertulas*, on rice 3599
- Sphenophorus callosus*, on maize 4264
- S. maidis*, on maize 498
- Spodoptera exigua* 3904
- termites, on conifers 3560
- Tipula paludosa* 2824
- Tribolium castaneum* 1037
- Zabrus* spp., on grain crops 7226
- determination of 6560
- in *Aquila chrysaetus*, residues of 3324
- in buffalo, toxicity of 2306
- in cattle
residues of, effects of diet on 3295
toxicity of 2306
- in *Coccinella septempunctata*, toxicity of 7190
- in crop plants
metabolism of 5208
residues of 5208
- in dog, toxicity of 2306
- in *Drosophila melanogaster*, bioassay of 3329
- in green algae, metabolism of 5778
- in groundnut, residues of 1048
- in maize, metabolism of 1703
- in man, toxicity of 2306
- in marshland, residues of 4577
- in milk, residues of 3315
- in *Musca domestica*, enzyme induction by 1655
- in *Pheidole megacephala*, toxicity of 260
- in potatoes, residues of 7677
- in *Pterostichus melanarius*, toxicity of 1054
- in *Rhizobium*, effects on carbon assimilation of 5812
- in rice-fields, residues of 4577
- in rivers, residues of 5787
- in *Schistocerca americana*, effects on nerve function of 2290
- in soil
degradation of 1703, 5208

Aldrin contd.in soil *contd.*

- effects of electrical conductivity on 3329
- metabolism of 5778
- residues of 3329, 5146, 5208, 5771
- in soy bean, inhibiting phorate sulfoxidation 3920
- in sugar-beet, effects on germination of 2663
- in tomato, residues of 5803
- in wheat
effects on amino acids of 274
effects on germination of 3582
metabolism of 1703
toxicity of 6042
- resistance to, in
Cosmopolites sordidus, in Ecuador 684
- Hylemya brassicae*, in France 4518
- Popillia japonica*
in New York 4290
in Ohio 4284
- use of
in Greece, restrictions on 2663
in Turkey, restrictions on 2965
with thiram, against, *Hylemya platura*, on *Phaseolus* 360
- Aldrindiol, trans-** (see 1,4:5,8-Dimethanonaphthalene-2,3-diol, 5,6,7,8,9-hexachloro-1,2,3,4,4a,5,8a-octahydro-, (1 α ,2 α ,3 β ,4 α ,4a β ,5 α ,8 α ,8a β)-)
- Aleochara**
in pine forests, in Ukraine 6220
parasitising, *Delia brassicae*, and biological control using, in Moldavia 7340
- Aleochara bilineata**
in Canada 378
in Poland 4782
parasitising, *Hylemya brassicae*, in Ontario 378
preying on, *Hylemya brassicae*, in Poland 4782
- Aleochara bipustulata**
in Poland 1602
insecticides in, toxicity of 1602
- Aleochara laevigata**
in Poland 1602
insecticides in, toxicity of 1602
- Alesia frenata** (see *Micraspis*)
- Aleuasinae**
feeding behaviour in 4698
in Argentina 4698
- Aleurocanthus spiniferus**
control of, integrated 6748
distribution of 2667
in Taiwan 6748
in USA (Hawaii) 2667
on *Citrus* 2667
in Taiwan 6748
on rose, in Hawaii 2667

***Aleurocanthus spiniferus* contd.**

parasites of, effects of insecticides on

6748

parasitised by

Amitus hesperidum, in Taiwan 6748*Prospaltella smithi*, in Taiwan 6748***Aleurocanthus woglumi****Aschersonia aleyrodalis* in, in El Salvador

1429

in El Salvador 1429

in USA 6744

in Venezuela 338

literature on 2027

on *Citrus*

in El Salvador 1429

in Venezuela 338

on *Citrus mitis*, in Florida 6744

on grapefruit, in Florida 6744

on lime (*Citrus*), in Florida 6744

on mango, in Florida 6744

parasitised by, *Prospaltella opulenta*, and

biological control using, in El Salvador

1429

population dynamics of 1429

preyed on by

Chrysopa spp., in El Salvador 1429*Delphastus* spp., in El Salvador 1429***Aleurodicus cocois****Cladosporium herbarum* in

and biological control using 2005

in Brazil 2005

in Brazil 2005

on *Anacardium occidentale*, in Brazil

2005

Aleurodothrips fasciapennis

descriptions of 1909

in India 1909

in USA 4219

preying on

Aleyrodidae 1909

Aspidiotus nerii, in Georgia (USA)

4219

Coccidae, in West Bengal 1909

Aleurothrix floccosus

control of, insecticides for 6124

in France 5099, 6128

in Morocco 6124

in Spain 4915, 6751

on *Citrus*

distribution pattern of 6751

in France 6128

in Mediterranean Basin 6551

in Morocco 6124

in Spain 4915, 6751

on sour orange, in France 5099

parasitised by

Amitus spiniferus, and biological

control using, in Spain 4915

Cales noacki

and biological control using

in France 5099, 6128

in Spain 4915

***Aleurothrix floccosus* contd.**parasitised by *contd.**Cales noacki* *contd.*

in Morocco 6124

Encarsia spp., in Morocco 6124*Eretmocerus paulistus*, and biological

control using, in Spain 4915

population dynamics of 6751

predators of, in Morocco 6124

Aleyrodidae

control of, insecticides for 7573

preyed on by

Aleurodothrips fasciapennis 1909*Deraeocoris nebulosus*, in Pennsylvania

6614

Dictyna spp., in Florida 4186*Gasteracantha cancriformis*, in Florida

4186

Syrphidae, in Kenya 1897

Uloborus spp., in Florida 4186**Alfalfa (see Lucerne)****Alfalfa mosaic virus**

in

aphids, transmission of 4295

lucerne 4295

alfieri, Attagenus**alfieri, Paederus****Algae**

carbamates in, fate of 5785

insect growth regulators in, degradation of

595

metalkamate in, effects of 523

organochlorine insecticides in, metabolism

of 5778

Alginate, in *Locusta migratoria* gut, not

found 739

Alginic acid

calcium salt

diet component for

Cydia pomonella 3253*Spodoptera littoralis* 138**algerica, Cassida****alienus, Psammotettix (see *P. striatus*)****aligarhensis, Physcus****Aliolus curculionis**

in USA 2742, 2761

parasitising, *Rhinocyllus conicus*, in

Virginia 2742, 2761

Alissonotum impressicollis

in Taiwan 255

Isaria sinclairii in, pathogenicity of 255*Metarhizium anisopliae* in, pathogenicity

of 255

on sugar-cane, in Taiwan 255

Alkaloids

in insects, excretion of 7072

in *Nicotiana rustica*, insecticidal activity

of 5184

Alkanesin *Heliothis virescens*, stimulating hostseeking in *Cardiochiles nigriceps*

5461

Alkanes contd.

- in *Iridomyrmex humilis* 68
- in *Solenopsis invicta* cuticle 4200
- in *Solenopsis richteri* cuticle 4200

Allkyltransferase, glutathione S-

- in *Heliothis virescens*, organophosphate degradation by 1036
- in insects, role in organophosphate degradation of 1653

Allantoic acid (see Acetic acid, bis[(aminocarbonyl)amino]-)**Allantoin** (see Urea, (2,5-dioxo-4-imidazolidinyl)-)**Allantonematidae**

- in insects 957
- Scolytidae, effects of 194

Allantus cinctus

- in Poland 1503
- on rose, in Poland 1503

Alleculidae, on sunflower, in Yugoslavia 4972**Allethrin** (2-methyl-4-oxo-3-(2-propenyl)-2-cyclopenten-1-yl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate)

- against *Galleria mellonella* 517
- pests of stored products 5798
- in honey bees, toxicity of 517
- in *Xenopus laevis*, effects on sense organs of 5791

photodecomposition of 534

(1*R-trans*)-

- against *Callosobruchus chinensis* 3801
- pests of stored products 5798

alliaceus, Parapleurus**Alligatorweed** (see *Alternanthera philoxeroides*)**allionealis, Parapoynx****Alliostabil**, insecticidal activity of 513**Allium cepa** (see Onion)**Allium fistulosum**, *Phytobia cepae* on, in Taiwan 379**Allium porrum** (see Leek)**Allium sativum** (see Garlic)**allocerus, Psammotermes****Allograpta**, preying on, *Acyrtosiphon dirhodum*, in Chile 6043**Allograpta calopus**

- in Kenya 1897
- preying on, aphids, in Kenya 1897

Allograpta exotica

- descriptions of 283
- in Peru 283
- preying on, *Rhopalosiphum maidis*, in Peru 283

Allograpta hortensis

- in Chile 5489

Allograpta hortensis contd.

- preying on *Acyrtosiphon dirhodum*, in Chile 5489

Macrosiphum avenae, in Chile 5489**Allograpta pulchra**

- in Chile 5489
- preying on *Acyrtosiphon dirhodum*, in Chile 5489

Macrosiphum avenae, in Chile 5489**Allottingis binotata**

- in Cuba 7288
- on *Thrinax wendlandiana*, in Cuba 7288

Allotria pubicollis, taxonomy of, synonym of *Phaenoglyphis ruficornis* 1307**Allotria victrix** (see *Alloxysta*)**Allotria victrix infuscata**, taxonomy of, synonym of *Alloxysta brassicae* 3542**Allotropa**, parasitising, *Pseudococcus comstocki*, and biological control using, in USSR 5747**Alloxysta brassicae**

- hyperparasitising aphids, in New Zealand 1895
- Brevicoryne brassicae* 3542
- in Australia 5927
- in New Zealand 1895
- parasitising, *Diaeretiella rapae* 3542, 5927

- taxonomy of, *Allotria victrix infuscata* as synonym of 3542

Alloxysta infuscata (see *A. brassicae*)**Alloxysta macrophadna**

- hyperparasitising, *Acyrtosiphon pisum* 3542
- parasitising, *Aphidius ervi* 3542
- taxonomy of, *Alloxysta scutellata* as synonym of 3542

Alloxysta scutellata, taxonomy of, synonym of *A. macrophadna* 3542**Alloxysta victrix**

- hyperparasitising, aphids, in New Zealand 1895
- in New Zealand 1895

Allyxycarb (4-(di-2-propenylamino)-3,5-dimethylphenyl methylcarbamate) with malathion, against, *Nephotettix cincticeps* 1656**Almond** (*Prunus amygdalus*)

- Aceria phloeocoptes* on 848
- Amyelois transitella* on assessing infestations of 6098
- in California 6098

Anarsia lineatella on, in California 2863*Anthonomus amygdali* on, in Bulgaria 1382*Brachycaudus* spp. on, in Italy 1407-1408*Capnodis carbonaria* on, in eastern Mediterranean 6097

Almond contd.

- Capnodis* contd.
C. tenebrionis on, in eastern Mediterranean 6097
Cerambyx dux on, in eastern Mediterranean 6097
Didesmococcus unifasciatus on, in Lebanon 4895
diseases of, identification of 7306
Ectomyelois ceratoniae on, in Israel 4898
Eriogaster amygdali on, in Lebanon 4894
Eriophyes amygdali on
damaged caused by 7296
in Bulgaria 7296
Eurytoma amygdali on, in Israel 4897-4898
Hyalopterus pruni on, in Italy 1407-1408
Mimastra cyanura on, in Himachal Pradesh 7177
Monosteira unicostata on
damage caused by 1406
in Italy 1406
Myzus persicae on, in Italy 1407-1408
Odinadiplosis amygdali on, in Lebanon 7014
pest control on 7306
in Lebanon 7550
pests of
identification of 7306
in Lebanon 7550
plum pox virus in 5572
Scolytus amygdali on, in eastern Mediterranean 6097
S. mediterraneus on, in eastern Mediterranean 6097
Almond pieces, pest control in, irradiation for 6872
Almond (stored nuts)
Amyelois transitella in, in California 5716
Ephestia calidella in, development of 5704
E. cautella in
development of 5704
in Portugal 1542
E. figulilella in, development of 5704
Oryzaephilus mercator in, development of 4100, 6304
O. surinamensis in, development of 6304
pest control in, malathion for 5716
pirimiphos-methyl in, residues of 3796
Plodia interpunctella in
in California 5716
in Portugal 1542
Tenebroides mauritanicus in, in Portugal 1542
alneti, Alnetoidia
Alnetoidia alneti
escape behaviour in 6834
preyed on by, *Adalia bipunctata* 6834

alni, Agelastica**Alnus**

- Coleophora serratella* on, in Europe 5011
Hemichroa australis on 5227
H. crocea on 5227
H. paramushirensis on 5227
Rhynchaenus testaceus on, in Finland 5251
Alnus formosanus, *Apriona germari* on, in Taiwan 4305
Alnus glutinosa
Coleophora serratella on, in Europe 5011
Mesosa nebulosa on, in Poland 6813
Alnus incana
Agelastica alni on
effects of agricultural practices on 1516
in Austria 1516
in West Germany 1516
Coleophora serratella on, in Europe 5011
Panonychus ulmi on, in Finland 3051
Tetranychus urticae on, in Finland 3051
Alnus rugosa, *Hemichroa crocea* on 910
Alocasia, *Brevipalpus obovatus* on, in Bulgaria 3725
Alopecia, in *Apis mellifera*, caused by non-occluded virus 6900
Alopecosa aculeata
prey antigens in, detection of 5385
preying on, *Neodiprion sertifer* 5385
Alophora subcoleoptrata (see *Phasia*)
alpha, Oncometopia
Alphacel (see Cellulose)
alpheus, Capys
Alphitobius diaperinus
amino acids in, developmental changes in 1149
behaviour in, effects of light on 3782
control of, insecticides for 2168
food preferences of 6314
in Egypt 451
in Japan 7460
in milk powder, in Japan 7460
in UK 6237
in flour mills, in Egypt 451
in milk powder, development of 7459
in poultry farms, in UK 6237
seasonal abundance of 451
Alphitobius laevigatus
in Egypt 451
in flour mills, in Egypt 451
seasonal abundance of 451
Alpinacris crassicauda
in New Zealand 741
in alpine tussock grassland
damage caused by 741
in New Zealand 741
Alpinacris tumidicauda
in New Zealand 741
in alpine tussock grassland
damage caused by 741
in New Zealand 741

Alsophila pometaria

control of, *Bacillus thuringiensis* for 6819

parasitised by, *Ooencyrtus ennemophagus* 5999

Alsophila quadripunctaria

control of, insecticides for 3738
in USSR 3738

alsophilae, Telenomus***alternans, Itoplectis******alternans, Pterostichus, (Evarthrus)******Alternanthera philoxeroides***

Agasicles hydrophila on
and biological control using

in Florida 2747
in Louisiana 2747

A. hydrophila on 3446

and biological control using, in USA 3563

***Amynothrips andersoni* on**

and biological control using
in Florida 2747
in USA 3563

***Vogtia malloi* on**

and biological control using
in South Carolina 2747
in USA 3563

Alternaria, in, *Panonychus citri*, in Yugoslavia 4326

alternatus, Archimerus***alternatus, Monochamus******alternatus, Nabis******alternus, Neostauropus, (Stauropus)***

Althaea, Bemisia tabaci on, in Iran 3005

Althaea officinalis, Macdunnoughia confusa
on, in Bulgaria 4246

Althaea rosea (see Hollyhock)

althaeae, Tetranychus (see *T. urticae*)

Altica carduorum, on Cirsium arvense, and
biological control using, in Canada 7214

Altosid (see Methoprene)

Altozar (see Hydroprene)

Aluminosilicates, against, *Sitophilus oryzae* 1553

Aluminum

foil of, in insect-resistant cans 4431

foil of, in insect-resistant packaging
materials 454

reflective mulches of 4925

reflective mulches of foil of 4456, 4511

alutacea, Schistocerca

Alvit (see Dieldrin)

Alydus eurinus

dorsal abdominal glands in, secretion of 3395

metathoracic glands in, secretion of 3395

Alydus pilosulus

dorsal abdominal glands in, secretion of 3395

metathoracic glands in, secretion of 3395

Alysiinae, body size in 182

amabilis, Eublemma***amabilis, Rhopalovalva******amanii, Coptotermes***

Amara, in West Germany 6007

Amara apricaria

in UK 4347

in sugar-beet fields, in UK 4347

Amara chalcites

in Japan 1358

preying on, *Chilo suppressalis*, in Japan 1358

Amara familiaris

in UK 4772

in grain fields, in England 4772

preying on, aphids, in England 4772

amaramanjarae, Dasineura

Amaranthaceae, cowpea aphid-borne mosaic virus in, infectivity of 2931

Amaranthus

carbaryl in, residues of 4331

Ceutorhynchus asperulus on, in Karnataka 3676

cotton insects on, in Arizona 3714

diazinon in, residues of 4331

Gastrophysa atrocyanea on 2753

Hymenia recurvalis on, in Antilles 3853

malathion in, residues of 4331

Plusia signata on, in Tamil Nadu 1847

Psara bipunctalis on, in Antilles 3853

Amaranthus ascendens (see *A. lividus*)

Amaranthus blitum, Aphis craccivora on,
feeding by 503

Amaranthus lividus, turnip mosaic virus in,
aphid transmission of 5725

Amaranthus palmeri, Bothynus gibbosus on,
in Texas 153

Amaranthus paniculatus, turnip mosaic virus
in, aphid transmission of 5725

Amaranthus retroflexus

Mamestra brassicae on, development of 67

Myzus persicae on, in Washington 3633

Thrips tabaci on, in Bulgaria 3700

Amaranthus viridis

Hymenia recurvalis on, in Karnataka 7333

Plutella xylostella on, in Karnataka 7333

Amargymini

defensive behaviour in 2403

defensive secretion in 2403

Amariyllidaceae, Xanthopastis timais on, in Brazil 2112

amatella, Dioryctria

Amathes c-nigrum (see *Xestia*)

Amaurosoma armillatum

biology of 297

control of, insecticides for 297, 4876
in East Germany 297

in Finland 2823

in Poland 4876

on *Phleum pratense*

damage caused by 2823, 4876

- Amaurosoma armillatum** *contd.*
on *Phleum pratense* *contd.*
in East Germany 297
in Finland 2823
in Poland 4876
taxonomy of, characters distinguishing *A. flavipes* and 297
- Amaurosoma flavipes**
biology of 297
control of, insecticides for 297, 4876
in East Germany 297
in Finland 2823
in Poland 4876
on *Phleum pratense*
damage caused by 2823, 4876
in East Germany 297
in Finland 2823
in Poland 4876
taxonomy of, characters distinguishing *A. armillatum* and 297
- ambiguella, Eupoecilia**
(*Clysia*)
- ambiguus, Lysiphlebus**
- Ambithion** (see Fenitrothion, with malathion)
- Amblydromella deleoni** (see *Typhlodromus*)
- Amblypelta cocophaga**
control of 3976
in Solomon Islands 3976
on coconut, in Solomon Islands 3976
- Amblypelta lutescens lutescens**
biology of 2862
in Australia 2862
on *Macadamia*, in Queensland 2862
- Amblypelta nitida**
biology of 2862
in Australia 2862
on *Macadamia*, in Queensland 2862
- Amblypelta theobromae**
in Papua New Guinea 3013
on cacao, in Papua New Guinea 3013
- Amblyseius**
in citrus groves, in Japan 336
preying on
Brevipalpus phoenicis, in West Bengal 2981
Tetranychidae, in Egypt 3693
Tetranychus cucurbitacearum, in Egypt 3662
T. urticae, in New South Wales 5560
- Amblyseius aberrans**
biology of 2253
Bordeaux mixture in, toxicity of 2253
in Italy 2253
in Yugoslavia 4326
preying on
Eotetranychus carpini, in Italy 2253
Panonychus citri, in Yugoslavia 4326
P. ulmi, in Italy 2253
zineb in, toxicity of 2253
- Amblyseius bibens**
biology of 4790
- Amblyseius bibens** *contd.*
in Malagasy Republic 4790
preying on, *Tetranychus* spp., in Malagasy Republic 4790
- Amblyseius brazilli**
sp. nov., description of 6437
in Brazil 6437
- Amblyseius chilensis**
biology of 1301
preying on, *Tetranychus urticae* 1301
- Amblyseius concordis**
in Yugoslavia 4326
preying on, *Panonychus citri*, in Yugoslavia 4326
- Amblyseius cucumeris** (see *Typhlodromus*)
- Amblyseius fallaxis**
acaricides in, toxicity of 3902, 4228
azinphos-methyl resistance in 5557
carbaryl resistance in 5557
in USA 4017
DDT resistance in, in Wisconsin 7311
fungicides in, toxicity of 3902, 5562
in India 5513
in New Zealand 3972
in USA 3010, 4803, 5557, 5562, 6025, 6730, 7311, 7541
in apple orchards
in Michigan 5557
in Wisconsin 7311
insecticide resistance in 6730
in New Zealand 3972
insecticides in, toxicity of 3902
on bean, unable to feed on leaves 4228
organophosphate resistance in, in Michigan 6025
population dynamics of 3557
preying on
Aculus schlechtendali, in USA 6730
Panonychus ulmi
and biological control using 7541
in Illinois 4017
in North Carolina 7541
in USA 6730
Schizotetranychus andropogoni, in West Bengal 5513
Tetranychidae, in Missouri 4803, 5562
Tetranychus mcDanieli, in USA 6730
T. urticae 3557, 4228
in Mississippi 3010
- Amblyseius finlandicus**
in East Germany 2013
in Netherlands 4512
in Poland 4748
in Yugoslavia 4326
in apple orchards
effects of fungicides on 2013
in East Germany 2013
on Cruciferae, in Poland 4748
preying on
Panonychus citri, in Yugoslavia 4326
P. ulmi, in Netherlands 4512

- Amblyseius fructicolus**
on avocado, not feeding 5339
on lemon, not feeding 5339
- Amblyseius gossipi**
in Egypt 5639
in cotton fields, effects of planting date on 5639
pollen feeding in, effects of 4799
population dynamics of 5639
preying on
 Tetranychus cinnabarinus, in Egypt 5639
 T. urticae 4799
- Amblyseius herbarius**
preying on, *Tetranychus cinnabarinus* 5928
rearing of, techniques for 5928
- Amblyseius hibisci**
acaricides in, toxicity of 5576
on avocado, feeding on sap 5339
on lemon, not feeding 5339
- Amblyseius higuilloae**
sp. nov., description of (in *Typhlodromalus*) 6430
in Puerto Rico 6430
- Amblyseius largoensis**
in Japan 336
in Taiwan 2909
in citrus groves, in Japan 336
preying on
 Tetranychus truncatus, in Taiwan 2909
 T. urticae 2714
rearing of, techniques for 2714
- Amblyseius lentiginosus**
in Australia 5560-5561
preying on, *Tetranychus urticae*, in New South Wales 5560-5561
- Amblyseius longispinosus**
descriptions of 3616
in India 5513
in Taiwan 2909
pesticides in, toxicity of 6417
preying on
 Schizotetranychus andropogoni, in West Bengal 5513
 Tetranychus truncatus
 and biological control using 6417
 in Taiwan 2909
 T. urticae 2714
rearing of, techniques for 2714
taxonomy of, *Amblyseius womersleyi* misidentified as, in Australia 3616
- Amblyseius masiaka**
sp. nov., description of 2712
biology of 2713
in Malagasy Republic 2712
preying on
 Tetranychus neocaledonicus 2713
 in Malagasy Republic 2712
- Amblyseius ovalis**
in Taiwan 2909
- Amblyseius ovalis** contd.
preying on, *Tetranychus truncatus*, in Taiwan 2909
- Amblyseius paraki**
preying on, *Tetranychus urticae* 2714
rearing of, techniques for 2714
- Amblyseius plumosus**
sp. nov., description of (in *Typhlodromops*) 6430
in Puerto Rico 6430
- Amblyseius potentillae**
in Netherlands 3478, 4512
in Yugoslavia 4326
population dynamics of 3478
preying on
 Panonychus citri, in Yugoslavia 4326
 P. ulmi, in Netherlands 3478, 4512
- Amblyseius rhenanus** (see *Typhlodromus*)
- Amblyseius rubicolus**
in South Africa 5949-5950
preying on
 Panonychus ulmi, in South Africa 5949
 Tetranychus cinnabarinus, in South Africa 5949-5950
- Amblyseius stipulatus**
acaricides in, toxicity of 5576
on avocado, not feeding 5339
on lemon, not feeding 5339
- Amblyseius swirskii**, pollen feeding in 7217
- Amblyseius umbraticus**
in Yugoslavia 4326
preying on, *Panonychus citri*, in Yugoslavia 4326
- Amblyseius vazimba**
sp. n., description of 2712
biology of 2713
in Malagasy Republic 2712
preying on
 Tetranychus neocaledonicus 2713
 in Malagasy Republic 2712
- Amblyseius womersleyi**
sp. n., description of 3616
in Australia 3616
preying on, *Tetranychus urticae*, in New South Wales 3616
taxonomy of, misidentified as *A. longispinosus*, in Australia 3616
- Amblyseius zwoelferi**
in USA 7311
in apple orchards, in Wisconsin 7311
- Amblyteles culpatorius**
in USSR 5522
parasitising, *Cerapteryx graminis*, in USSR 5522
- Amblyteles vadatorius** (see *Eutanyacra picta*)
- Ambrosia**
 Dectes texanus on, in Missouri 865
 Zygogramma suturalis on, in Ohio 2757
- Ambrosia acanthicarpa**, insects on, in California 811

Subject Index

Ambrosia artemisiifolia

Asphondylia ambrosiae on, in Florida 223

Contarinia partheniicola on, in North America 223

Neolasioptera ambrosiae on, in North America 223

Rhopalomyia ambrosiae on, in Florida 223

Ambrosia chamissonis

Euarestoides acutangulus on, in California 6659

insects on, in California 812

Ambrosia confertiflora, natural enemies of, in California 1329

Ambrosia dumosa, natural enemies of, in California 7213

Ambrosia trifida

Dectes texanus on, in Missouri 865

Neolasioptera ambrosiae on, in North America 223

ambrosiae, *Asphondylia*

ambrosiae, *Dactynotus*

ambrosiae, *Neolasioptera*

ambrosiae, *Rhopalomyia*

Ambrosiella hartigii, in, *Xyleborus dispar* 4398

Ambrosiella sulphurea

in, *Xyleborus saxeseni*, transmission of 6816

taxonomy of 6816

Amdal (see *Bacillus thuringiensis*)

Amelanchier, *Hemichroa militaris* on 5227

amelanchieridis, *Hemichroa* (see *H. militaris*)

America, Central

Caryedes spp. in, on Phaseolaceae 1729

Nomophila nearctica in 5343

Teleonemia scrupulosa in, on *Lantana camara* 6657

America, North

Bombinae in, natural enemies of 3550

Carabidae in

on conifers 770

on grain crops 770

on maize 770

on strawberry 770

Chlaenius spp. in 1913

Chrysopa carnea group in 551

Leiophron spp. in 1082

Lepidoptera in 5241

Lymantriidae in 6446

Nomophila nearctica in 5343

Peristenus spp. in 1082

Solenopsis invicta in 2698

S. richteri in 2698

America, South

Opuntia spp. in, *Cactoblastis cactorum* for biological control of 5112

Phyllophaga spp. in 4601

Solenopsis invicta in 2698

S. richteri in 2698

America, South contd.

Teleonemia scrupulosa in, on *Lantana camara* 6657

American Samoa, Scolytidae in 5674

americana, *Entomoscelis*

americana, *Periplaneta*

americana, *Schistocerca*

americanum, *Eriosoma*

americanum, *Malacosoma*

americanus, *Eupteromalus*

americanus, *Macromesius*

americanoferus, *Nabis*

amethystana, *Gravarmata*

amia, *Camponotus friedae*

Amidithion (S-[2-[(2-methoxyethyl)amino]-2-oxoethyl] O,O-dimethyl phosphorodithioate) against

Bephrata maculicollis, on soursop 4997

Eutetranychus orientalis, on eggplant 3693

Tetranychus cucurbitacearum

on eggplant 3693

on *Phaseolus* 3662

on sesame 4355

on sunflower 4355

Amines, in insects, metabolism of 6427

Amino acids

diet component for

Ephialtes roborator 663

Macrosteles fascifrons 1835

Myzus persicae 1836

Semiadalia undecimnotata 2570

Sitophilus oryzae 1757

Galerucella griseascens feeding response to 586

in *Alphitobius diaperinus*, developmental changes in 1149

in *Anacardium occidentale*, effects of *Selenothrips rubrocinctus* on 2676

in apple, effects of pesticides on 7562

in *Argyrotaenia velutinana* diet, utilisation of 7071

in *Bombyx mori* cytoplasmic polyhedrosis virus 1586

in *Brachymeria femorata* 1148

in brussels sprouts, effects on aphids of 6766

in cabbage, effects of *Eurydema rugosum* on 6142

in cotton, effects of systemic insecticides on 894

in cotton leaves 2088

in *Cucumis callosus*, relation of resistance to *Dacus cucurbitae* and 6152

in *Cucumis melo*, relation of susceptibility to *Dacus cucurbitae* and 6152

in *Dendroctonus pseudotsugae*, effects of nematode infection on 2230

in *Dichrocrocis punctiferalis* 4076

Amino acids contd.

- in *Dysdercus cingulatus* hemolymph 1782
- in *Dysdercus similis* diet, requirement for 7069
- in *Earias insulana*, effects of methiotepa on 2467
- in *Ephestia cautella*, developmental changes in 5891
- in *Eugenia jambos*, effects of *Selenothrips rubrocinctus* on 2676
- in *Gilpinia hercyniae* and spruce needles 4407
- in guava, effects of *Selenothrips rubrocinctus* on 2676
- in *Heliothis virescens* feces, not affected by parasitism 4795
- in insect diets 139
- in *Leptinotarsa decemlineata*, taste receptors for 589
- in *Locusta migratoria*, during embryogenesis 6510
- in mango, effects of *Selenothrips rubrocinctus* on 2676
- in *Marasmia trapezalis* 4076
- in *Odontotermes badius* defensive secretion 212
- in *Oryzaephilus surinamensis* 4680
- in *Pachnoda ephippiata* cuticle 1117
- in *Papilio demoleus* 5890
- in *Phryxe caudata*, during larval development 6463
- in *Picea abies*, effects on development of *Gilpinia hercyniae* of 7123
- in *Picea glauca* cambium, effects of Siricidae on 2151
- in *Pieris rapae*, effects of parasitism on 1148
- in *Pinus banksiana* 3065
- in plants, *Pegomya betae* responses to 1660
- in rice, effects of *Nilaparvata lugens* on 1965
- in *Ricinus communis*, relation of resistance to *Trialeurodes rara* and 2078
- in sesame, effects of *Asphondylia sesami* on 2979
- in *Sitotroga cerealella*, developmental changes in 5891
- in *Spodoptera littoralis*, effects of dietary sugars on 1119
- in *Spodoptera litura* nuclear polyhedrosis virus 6888, 6895
- in sugar-beet
 - effects of damage on 6142
 - effects of *Lygus disponsi* on 868
- in *Tenebrio molitor* cuticle 1117
- in *Tetranychus cinnabarinus* silk 4044
- in *Vigna radiata*, effects of mung bean yellow mosaic virus on 7349
- in *Viteus vitifoliae* 2859

Amino acids contd.

- in wheat, relation of insect damage and 2780
- in wool textiles, effects on insect feeding of 6277
- Leptinotarsa decemlineata* feeding responses to 1184
- Phthorimaea operculella* feeding responses to 3683
- Tetranychus urticae* feeding response to 1710
- Aminocarb** (4-(dimethylamino)-3-methylphenyl methylcarbamate) against
 - Chrysomela scripta* 7433
 - Epiphyas postvittana*, on apple 6731
 - Heliothis virescens*, on chickpea 695, 707
 - Pseudococcus* spp., on grapevine 3183
 - Spodoptera littoralis* 5180, 5182
- formulations of 5180
- in *Phasianus colchicus*, esterase inhibition by 6405
- in pigeon, esterase inhibition by 6405
- resistance to, in, *Spodoptera littoralis*, and cross-resistance to growth regulators 7651
- Aminoparathion** (see Phosphorothioic acid, *O*-(4-aminophenyl) *O*,*O*-diethyl ester)
- Aminopeptidase**
 - in *Chilo partellus* gut 581
 - in *Tineola bisselliella* 37
 - in *Tineola bisselliella* larvae 5864–5865
- Aminopeptidase, cytosol**
 - in *Chilo infuscatellus* 2424
 - in *Sesamia inferens* 2424
- Aminopeptidase, leucine** (see Aminopeptidase, cytosol)
- Aminopeptidase, tripeptide**
 - in *Chilo infuscatellus* 2424
 - in *Sesamia inferens* 2424
- Aminophenazone** (4-(dimethylamino)-1,2-dihydro-1,5-dimethyl-2-phenyl-3-*H*-pyrazol-3-one)
 - in *Megachile pacifica*, effects of 1662
- Aminopterin** (*N*-[4-[[[(2,4-diamino-6-pteridiny]methyl]amino]benzoyl]-L-glutamic acid)
 - in *Oryzaephilus mercator* diet, for determining folic acid requirement 5852
- Aminopyrine** (see Aminophenazone)
- Aminotransferase, alanine**
 - in *Coryca cephalonica* larvae 4040
 - in *Locusta migratoria*, activity during cuticle formation of 5428
 - in *Schistocerca gregaria*, subunit structure of 7054
- Aminotransferase, aspartate**
 - in *Locusta migratoria*, activity during cuticle formation of 5428

- Aminotransferase, aspartate** *contd.*
isoenzymes, in *Corcyra cephalonica* larvae 4040
- Aminotransferase, glutamate oxalacetate**
(see Aminotransferase, aspartate)
- Aminotransferase, glutamate pyruvate** (see Aminotransferase, alanine)
- Aminotransferase, glutamine-fructose 6-phosphate** (see Isomerase, glucosamine phosphate (glutamine-forming))
- Aminotransferase, leucine**, in *Corcyra cephalonica* larvae 4040
- Aminotriazole** (1*H*-1,2,4-triazol-3-amine)
antifeedant for
Heliothis armigera, on *Ricinus communis* 6424
Spodoptera littoralis, on *Ricinus communis* 5767
in foodstuffs, residues of 5140
in *Spodoptera littoralis*, effects of 5767
- Aminophos** (see Phosphorodithioic acid, *S*-[2-(acetyl-amino)ethyl] *O,O*-dimethyl ester)
- Amitermes lativentris**
in Australia 3106
in power-transmission poles, in
Queensland 3106
- amitinus**, *Ips*
- Amiton** (*S*-[2-(diethylamino)ethyl] *O,O*-diethyl phosphorothioate)
N-alkyl analogues of, toxicity and acetylcholinesterase activity of 5889
- Amiton oxalate**
against
Musca domestica 5889
Tetranychus urticae 5889
- Amitraz** (*N*'-(2,4-dimethylphenyl)-*N*'-[[2-(4-dimethylphenyl)imino]methyl]-*N*-methylmethanimidamide)
against
Aonidiella aurantii, on *Citrus* 3940
Gascardia destructor, on *Citrus* 3940
Myzus humuli 3957
Panonychus spp. 3957
P. citri, on *Citrus* 3940
P. ulmi, on apple 4185
Psylla pyricola 3957
Tetranychus urticae 3957
on pear 2885
in honey bees, toxicity of 3957
in predatory insects, toxicity of 3957
with oil emulsion, against, *Gascardia destructor*, on *Citrus* 3940
- Amitrole** (see Aminotriazole)
- Amitus hesperidum**
in Taiwan 6748
in citrus groves, effects of insecticides on 6748
parasitising, *Aleurocanthus spiniferus*, in Taiwan 6748
- Amitus spiniferus**, parasitising,
Aleurothrixus floccosus, and biological control using, in Spain 4915
- Amla** (see *Phyllanthus emblica*)
- Ammalo arravaca**, taxonomy of, *Ammalo insulata* misidentified as 1324
- Ammalo helops**
control of, insecticides for 5574
in Brazil 5574
on *Ficus nitida*, in Brazil 5574
- Ammalo insulata**
food-plant specificity in 1324
in Trinidad and Tobago 1324
on *Eupatorium ivae-folium*, development of 1324
on *Eupatorium microstemon*, development of 1324
on *Eupatorium odoratum*, development of 1324
taxonomy of, misidentified as *A. arravaca* 1324
- Ammi majus**, celery (western) mosaic virus in, infectivity of 3113
- Ammonium**
in *Cardiophiles nigriceps* feces 4795
in *Heliothis virescens* feces, effects of parasitism on 4795
- Ammonium chloride**, in cattle feed, not affecting accumulation of insecticides 5200
- Ammonium hydroxide**, repellent for, *Ips grandicollis* 2146
- Ammophila centralis**, in USA 6024
- ammopleura**, *Cryptolechia*
- Amnemus quadrituberculatus**
control of, insecticides for 6704
in Australia 6704
on *Desmodium intortum*, in New South Wales 6704
on *Desmodium uncinatum*, in New South Wales 6704
on *Glycine wightii*, in New South Wales 6704
on *Macroptilium atropurpureum*, in New South Wales 6704
- Amomum canncarpum**, cardamom mosaic virus in, in Karnataka 145
- Amomum involucreatum**, cardamom mosaic virus in, in Karnataka 145
- Amomum subulatum**, cardamom (greater) mosaic streak virus in, in West Bengal 946
- Amorphococcus acaciae**, taxonomy of, transferred to *Abditococcus* 553
- AMP** (see 5'-Adenylic acid)
- ampelophaga**, *Theresimima*, (*Ino*)
- Amphimallon majalis**, *Bacillus popilliae* in, infectivity of 3818
- Amphimallon solstitialis**
biology of 4281
descriptions of 4281
in Hungary 4281
Melolontha melolontha lethargy disease agent in, pathogenicity of 6880
on grasses, in Hungary 4281

- Amphipoea fucosa***
in USSR 3856
on grain crops, in USSR 3856
- Amphipyra***
biology of 2865
on apple, in New York 2865
on fruit trees, in Ohio 323
on pear, in New York 2865
- Amphipyra livida***
illustrations of 2002
in South Korea 2002
on grapevine, in South Korea 2002
- Amphipyra livida corvina***
aestivation in 7107
development in 7107
in Japan 7107
- Amphipyra pyramidoides***
in USA 323, 2865
on apple, in New York 2865
on fruit trees, in Ohio 323
on pear, in New York 2865
- Amphorophora agathonica***, on raspberry,
resistance to 1393
- Amphorophora rubi***
in UK 6092
on raspberry
in UK 6092
resistance to 6092
- Ampicillin**, in *Dacus cucurbitae*, effects of
4088
- Ampittia dioscorides***
in India 5510
on rice, in India 5510
- ampla, Cryptarcha***
- Amplicephalus ica***
sp. n., description of 14
in Peru 14
on *Cynodon dactylon*, in Peru 14
- amplissima, Sycobiella***
- ampulla, Neocypholaelaps***
- Amrasca biguttula***
control of, insecticides for 3008
in India 3008
on cotton, in Haryana 3008
- Amrasca biguttula biguttula***
control of, insecticides for 1484, 6188,
6760, 6778
in India 1484, 2987, 6188, 6778, 7193
on cotton, in Punjab 1484, 6188
on eggplant, in India 7193
on soy bean, in India 6778
on sunflower
effects of fertilizers on 2987
effects of spacing on 2987
in Tamil Nadu 2987
parasitised by, *Bochartia* spp., in India
7193
- Amrasca devastans***
biology of 2913
control of, insecticides for 854, 884,
3179, 4929, 7335
feeding behaviour in 1808
- Amrasca devastans* contd.**
in India 854, 884, 1439, 2037, 4929,
7335
in Thailand 3179
on cotton
in Thailand 3179
orientation and feeding response of
1808
orientational responses of 4121–4122
on eggplant 1808
development of 157
in Rajasthan 884
on *Gossypium arboreum*, development of
157
on *Gossypium herbaceum*, development of
157
on *Gossypium hirsutum*, development of
157
on okra 2913
damage caused by 4929
feeding preferences of 1439
in Madhya Pradesh 4929
in Punjab 7335
in Tamil Nadu 854, 1439, 2037
on potato, development of 157
on *Ricinus communis*
development of 157
orientation and feeding response of
1808
orientational responses of 4121–4122
- Amritodus atkinsoni***
biology of 4919
in India 4919
on mango, in Gujarat 4919
- Amsacta albistriga***, nuclear polyhedrosis
virus in, specificity of 6883
- Amsacta lactinea***
biology of 3618
in India 3618
on *Anacardium occidentale*, in Karnataka
3618
- amydraula, Batrachedra***
- Amyelois transitella***
control of
crop management for 4304
insecticides for 5716
Helicospodidium spp. in, ultrastructure of
6337
H. parasiticum in, multiplication of 1577
in USA 4304, 5716, 6098
in stored almonds, in California 5716
on almond
assessing infestations of 6098
in California 6098
on walnut, in California 4304
- amygdali, Anthonomus***
- amygdali, Apodiphus***
- amygdali, Eriogaster***
- amygdali, Eriophyes***
- amygdali, Eurytoma***
- amygdali, Hyalopterus***
- amygdali, Odinadiplosis***

- amygdali*, *Scolytus*, (*Ruguloscolytus*)
amygdalinus, *Brachycaudus*
Amylase
 in Acridid guts 5866
 in *Bacillus thuringiensis* 5736
 in *Chilo partellus* gut, not found 581
 in *Choristoneura fumiferana* 3031
 in *Costelytra zealandica* gut 2828
 in *Dasineura amaramanjarae* gut 4038
 in *Dasineura lini* 1118
 in *Gilpinia hercyniae*, properties of 3074
 in *Locusta migratoria* gut 739
 in *Pectinophora gossypiella* gut 579
 in *Phthorimaea operculella* gut 4649
 in phytophagous Hemiptera 2396
 in *Spodoptera littoralis*
 effects of antifeedants on 1074
 effects of dietary sugars on 1119
 in *Tribolium confusum*, effects of
 antifeedants on 2399
 in *Zonocerus variegatus* gut 1120
 isoenzymes, in *Iridomyrmex purpureus*,
 taxonomic value of 1730
Amylopectin, diet component for,
 Choristoneura fumiferana 3031
Amyothrips andersoni
 in Argentina 3563
 on *Alternanthera philoxeroides*
 and biological control using
 in Florida 2747
 in USA 3563
Amyotea malabarica
 in India 4950
 preying on, *Nezara viridula*, in Madhya
 Pradesh 4950
Anabrolepis extranea
 in Japan 785
 parasitising, *Quadraspidiotus*
 macroporanus, in Japan 785
Anacanthotermes macrocephalus
 biology of 4814
 in Afghanistan 4814
 in India 4814
 rearing of, techniques for 214
Anacanthotermes vagans
 biology of 3561
 in Pakistan 3561
Anacardium occidentale (see Cashew)
Anacridium aegyptium
 corpora allata in 592
 oogenesis in 592
 ovarian diapause in, breaking of 592
Anacystis nidulans, toxaphene components
 in, toxicity of 4538
Anadevidia peponis
 biology of 1832
 circadian rhythms in 4128
 flight activity in 4128
 food-plants of, selection of 6150
 in India 7494
 in Japan 1832
Anadevidia peponis *contd.*
 nuclear polyhedrosis virus in
 effects of 7494
 in India 7494
 on cabbage, feeding by 6150
 on Cucurbitaceae, feeding by 6150
 on cucurbits, in Japan 1832
 on gourd, in India 7494
 on *Gynostemma pentaphyllum*, feeding
 deterrent to 6150
 on *Paulownia imperialis*, feeding by 6150
 parasitised by, *Tetrastichus israeli* 6640
 rearing of, diets for 1832
 sex pheromone of 4128
Anagasta kuehniella (see *Ephestia*)
Anagrus
 parasitising
 Nephotettix cincticeps, in Taiwan
 2801
 Nilaparvata lugens, in Taiwan 2801
Anagrus epos
 in Canada 6095
 parasitising, *Erythroneura ziczac*, in
 British Columbia 6095
Anagrus flaveolus
 in Jamaica 241
 parasitising, *Saccharosydne saccharivora*,
 in Jamaica 241
Anagrus incarnatus
 in Italy 1384
 parasitising, *Tettigella viridis*, in Italy
 1384
Anagyrs fusciventris
 Bacillus thuringiensis in, not pathogenic
 6743
 in Israel 6743
 parasitising, *Pseudococcus longispinus*, in
 Israel 6743
anale, *Sinoxylon*
analis, *Callosobruchus*
Anamaspis lowi
 in USSR 6808
 on conifers, in Caucasus 6808
Ananas comosus (see Pineapple)
ananas, *Steneotarsonemus*
Anaphe venata, on *Cola*, in West Africa
 4245
Anaphes flavipes
 in Poland 2774
 in Yugoslavia 778
 parasitising
 Lema gallaeciana, in Poland 2774
 Oulema melanopus
 and biological control using
 in Indiana 778
 in Michigan 778
 in Poland 2774
 in Yugoslavia 778
Anaphothrips obscurus
 in Peru 1245
 on oats, in Peru 1245
 on wheat, in Peru 1245

Anaphothrips sudanensis

- control of, insecticides for 7247
- in India 7247
- on maize, in Punjab 7247

anaranjada, Cydia, (Laspeyresia)**anareolae, Pseudotargionia****Anarsia epotias**

- biology of 151
- control of, insecticides for 151
- in India 151
- on *Anacardium occidentale*, in India 151
- parasitised by, *Brachymeria* spp., in India 151

Anarsia lineatella

- control of, insecticides for 1292, 1640
- in East Germany 2888
- in Italy 1292
- in USA 1640, 2416, 2863
- on almond, in California 2863
- on apricot, imported into Austria 6588
- on peach
 - imported into Austria 6588
 - in California 2863
 - in East Germany 2888
 - in Italy 1292
- on plum, in California 1640
- sex pheromone of 2416, 2863
- traps for 2863

Anartia jatrophae

- descriptions of 5243
- in Brazil 5243
- on *Citrus medica*, in Brazil 5243

anartoides, Orgyia**Anas platyrhynchos**

- DDE in, shell thinning caused by 2313, 5204
- eggs of, organochlorine residues in 1047
- mirex in, irradiation products of 6386
- organochlorine insecticides in, residues of 2301
- organochlorines in, residues of 7669

Anas rubripes

- organochlorine insecticides in, residues of 2301
- organochlorines in, residues of 7669

Anastatus

- biology of 2901
- parasitising
 - Dendrolimus punctatus*, in Vietnam 3740
 - Samia cynthia* 2901
 - Tessaratomia papillosa*, and biological control using, in China 2901

Anastatus disparis (see *A. japonicus*)**Anastatus japonicus**

- in Romania 2206
- in Yugoslavia 5448
- parasitising

Lymantria dispar

- in Romania 2206
- in Yugoslavia 5448

anastomosis, Pygaera, (Clostera)**anastomosis, Pygaera contd.**

(Ichthyura)

Anastrepha, control of 7544**Anastrepha bahiensis**

- in Brazil 2667
- in Panama 2667
- in Peru 2667
- in Trinidad and Tobago 2667
- on guava, in Trinidad 2667
- on *Spondias mombin*, in Trinidad 2667

Anastrepha fraterculus

- control of, fumigants for 7473
- in Brazil 5573
- in stored mangoes 7473
- on apricot
 - distribution pattern of 5573
 - in Brazil 5573

Anastrepha mombinpraeoptans, taxonomy of
synonym of *A. obliqua* 1731**Anastrepha obliqua**

- taxonomy of 1731
- Anastrepha mombinpraeoptans* as synonym of 1731

Anastrepha suspensa

- control of, sterile-insect release for 3218, 5129
- fatty acids in, effects of age on 5310
- in USA 3218, 3830
- life-span in, effects of γ -irradiation on 4684
- on grapefruit, in Florida 3830
- oviposition in, effects of γ -irradiation on 4684
- rearing of, techniques for 4175
- sex pheromone of 1140
- sterilisation of, γ -irradiation for 4684
- traps for 5270

Anatis ocellata

- illustrations of 1106
- in Poland 1106
- in orchards, in Poland 1106

anatolicus, Ernobius**Anatrichus pygmaeus**

- in Bangladesh 3595
- in India 3595
- in Japan 3595
- in Malaysia 3595
- in Pakistan 3595
- in Philippines 3595
- in Taiwan 3595
- in Thailand 3595
- preying on, *Chilo polychrysus*, in Thailand 3595

anceps, Apamea**anchorago, Stiretrus****Ancistrotermes latinotus**

- distribution of 4232
- in dwellings, in Africa 4232
- on *Eucalyptus*, in Africa 4232

Ancyliis achatana

- in Hungary 4211
- on apple, in Hungary 4211

- Ancylis achatana* contd.
parasites of, in Hungary 4211
- ancylivorus*, *Macrocentrus*
- Ancylostomia stercorea*, parasitised by,
Plagiprospherysa trinitatis 1304
- andersoni*, *Amynothrips*
- andersoni*, *Aonidiella* (see *A. simplex*)
- andersoni*, *Epicampoptera*
- andoi*, *Paracentrobia*
(*Japania*)
- Andraca bipunctata*
in India 2108
on tea, in Assam 2108
- Andrallus spinidens*
in India 6641
preying on, *Diacrisia obliqua*, in Madhya Pradesh 6641
- Andrena flavipes*
in Egypt 2765
on *Carum carvi*, as pollinator 2765
on *Coriandrum sativum*, as pollinator 2765
on *Pimpinella anisum*, as pollinator 2765
- Andrena ovata*
in Egypt 2765
on *Carum carvi*, as pollinator 2765
on *Coriandrum sativum*, as pollinator 2765
on *Pimpinella anisum*, as pollinator 2765
- Andromeda* (see *Pieris japonica*)
- Andropogon aciculatus*, ants associated with,
in Papua New Guinea 1270
- Andropogon selloanus*, *Saccharosydne*
saccharivora on, development of 258
- andropogoni*, *Schizotetranychus*
- androst-5-en-17-one*, 3-[2,2-bis(methylamino)ethoxy]-
(3 β)-, in *Bombyx mori*, inhibiting
conversion of β -sitosterol to
cholesterol 5260
- O-methylxime*, (3 β)-, in *Bombyx mori*,
inhibiting conversion of β -sitosterol to
cholesterol 5260
- nethole* (see Benzene, 1-methoxy-4-(1-propenyl)-)
- nethum graveolens* (see Dill)
- ngelae*, *Rhynchosciara*
- ngelica archangelica*, *Papilio machaon* on,
oviposition by 1183
- ngelicae*, *Trioxys*
- ngola*
- Ancistrotermes latinotus* in
in dwellings 4232
on *Eucalyptus* 4232
- aphids* in 6452
- Imbrasia macrops* in, natural enemies of 559
- Lepidoptera* in, natural enemies of 5450
- light-trap grid in 1224
- Psammotermes allocerus* in 1312
- Pyrrhocoridae* in, natural enemies of 82
- termite* in 213
- angolensis*, *Probergrothius*, (*Odontopus*)
- angulatus*, *Acinopterus*
- angulatus*, *Blepharidopterus*
- angulatus*, *Micromus*, (*Eumicromus*)
- anguliceps*, *Philotrypesis*
- angulifera*, *Kraussaria*
- angulosa*, *Palomena*
- Angustalius malacellus*
biology of 7240
in Italy 7240
on maize
damage caused by 7240
in Italy 7240
- angustatus*, *Pterostichus*
- angusticeps*, *Thrips*
- angusticollis*, *Zootermopsis*
- angusticornis*, *Haplothrips*
- angustula*, *Atheta*
- angustum*, *Trogoderma*
- Anicetus*, taxonomy of, *Krishnieriella* as
synonym of 7002
- Anicetus ceylonensis*, taxonomy of,
Krishnieriella ceroplastodis as synonym
of 7002
- Anilastus didymator* (see *Hyposoter*)
- Anilastus japonicus* (see *Lemophagus*)
- Anilix* (see Chlorfenethol, with
chlorfensulphide)
- Animert* (see Tetrasul)
- Animert V-101* (see Tetrasul)
- Anisandrus dispar* (see *Xyleborus*)
- Anisantha tectorum*, carbaryl on, persistence
of 3319
- Aniseed* (see *Pimpinella anisum*)
- anisocentra*, *Homadaula*
- Anisolabis annulipes*, in West Germany,
importation of 2674
- Anisolabis maritima*
in Japan 2718
preyed on by, *Achaearanea tepidariorum*,
in Nagasaki Prefecture 2718
- Anisoplia*
control of, insecticides for 3316
on wheat, in Turkey 3316
- Anisoplia agricola*
control of, insecticides for 7226
in Turkey 7226
on grain crops, in Turkey 7226
- Anisoplia austriaca*
control of, insecticides for 7226
in Turkey 7226
in Yugoslavia 4972
on grain crops, in Turkey 7226
on sunflower, in Yugoslavia 4972
- Anisoplia segetum velutina*
control of, insecticides for 7226
in Turkey 7226
on grain crops, in Turkey 7226
- Anisoplia tenebralis*
control of, insecticides for 7226
in Turkey 7226
on grain crops, in Turkey 7226

Anisopteromalus calandrae

in India 7192

in Peru 692

parasitising

Sitophilus oryzae

in India 7192

in Peru 692

Anisota senatoria

in USA 4478

on *Quercus rubra*, in Connecticut 4478*Pleistophora schubergi* in, infectivity of 4478**anneckei, Microterys****Annona muricata***Bephrata maculicollis* on

damage caused by 4997

in Surinam 4997

Cerconota anonella on

damage caused by 4997

in Surinam 4997

Eriophyes anonae on 2325**Annona reticulata**, juvenile-hormone activity of extracts of 4064**Annona squamosa**, *Heilipus velamen* on, in Brazil 1884**Annual reports (see also Reports)****Annual reports (1972-73)**

Chemera Research Station, Entomology Section 7290

Department of Agricultural Research, Malawi 7685

Annual reports (1973)

ADAS Science Arm 545

Department of Agriculture Research Branch, Sarawak 3973

East African Agriculture and Forestry Research Organization 3355

International Rice Research Institute 5514

Processors & Growers Research Organisation 6153

Annual reports (1973-74)

Agricultural Research Division, Swaziland 5221

Control of *Zonocerus variegatus* L. in Nigeria 6605

Cotton Research Institute, Gatooma 6184

Cotton Research Reports, Malawi 4983

Cotton Research Reports, Swaziland 4981

Cotton Research Reports, Zambia 4982

Federal Department of Agricultural Research, Nigeria 6051

Tea Research Association, Calcutta 2108

Annual reports (1974)

ADAS Science Service 4181

Biologische Bundesanstalt für Land- und Forstwirtschaft 6993

Canadian Forestry Service 5673

Centre for Overseas Pest Research 4743

Annual reports (1974) contd.

Cyprus Agricultural Research Institute 3971

Ecology of Mediterranean fruit fly in Cyprus 6740

Forest Research Institute, New Zealand 5219

Glasshouse Crops Research Institute 5478

International Institute of Tropical Agriculture, Nigeria 6992

Ministry of Agriculture, Northern Ireland 5978

National Sugar-cane Improvement Programme, Brazil 4824

Rothamsted Experimental Station 1367

Solomon Islands Entomologist 3976

State Plant Pathology Institute, Denmark 5400

Annual reports (1974-75)

Agricultural Research Council, UK 6427

Bureau of Sugar Experiment Stations, Australia 4250

Coffee Board Research Department, Karnataka 6198

CSIRO Division of Entomology 7686

Department of Scientific and Industrial Research, New Zealand 3972

East Malling Research Station 7285

Forestry Commission 6215

Pesticide residues research report, COPR 6968

Wattle Research Institute, South Africa 5220

Annual reports (1975), Long Ashton Research Station 7687**annularis, Ascogaster****annulator, Campoplex** (see *Campoletis viennensis*)**annulatus, Tuberculoides****annulipes, Anisolabis, (Euboriella)****annulipes, Caliroa****annulipes, Monalonion****annulipes, Scadra****Anobiidae**, parasitised by, *Sclerodermus domesticus* 3105**Anobium pertinax** (see *Hadrobregmus*)**Anobium punctatum**

control of, insecticides for 4447

in Poland 5713

in wood, in Poland 5713

Anodonta, DDE in, residues of 6409**Anoecia corni**

in Poland 186

on ornamental plants, in Poland 186 preyed on by

Episyrphus balteatus, in Poland 186*Syrphus ribesii*, in Poland 186*S. vitripennis*, in Poland 186**Anoecia fluviabdominalis**

in South Korea 1879

seasonal abundance of 1879

- Anoecia fluviabdominalis* *contd.*
traps for 1879
- Anomala*, on sunflower, in Yugoslavia 4972
- Anomala bengalensis*
in India 2114, 4887, 5372
on grapevine, in Punjab 4887
on *Grewia asiatica*, in Punjab 2114
on *Ziziphus jujuba*, in Haryana 5372
- Anomala cuprea*
Beauveria tenella in, infectivity of 4469
control of, *Beauveria bassiana* for 4469
development in 29–30
in Japan 29
larval development in 7046
population dynamics of 1819
- Anomala dorsalis*
in India 4887
on grapevine, in Punjab 4887
- Anomala dorsalis fraterna*
in India 5372
on *Ziziphus jujuba*, in Haryana 5372
- Anomala orientalis*
Bacillus popilliae in
in Connecticut 2830
infectivity of 2830
in USA 2830
in turf, in Connecticut 2830
- Anomala ruficapilla*
in India 4887, 5372
on grapevine, in Punjab 4887
on *Ziziphus jujuba*, in Haryana 5372
- Anomala vitis*
in Yugoslavia 1351
on maize, in Yugoslavia 1351
- nomalipes*, *Drosophila*
- nomaloninae*
keys to 5832
taxonomy of
characters for 5832
revision of 5832
- nomalus*, *Caloglyphus*
- nomis erosa*
in India 4371
on *Datura*, in Karnataka 4371
on *Dolichos lablab*, in Karnataka 4371
- nomis flava*
Bacillus thuringiensis in, in China 6892
biology of 4928
control of, insecticides for 4928
descriptions of 4928
in China 6892
in India 4928
in Mali 5730
nuclear polyhedrosis virus in, in Mali 5730
on cotton
development of 7108
in China 6892
in Mali 5730
on *Hibiscus rosa-sinensis*, development of 7108
on kenaf, development of 7108
- Anomis flava* *contd.*
on okra
development of 7108
in Gujarat 4928
- Anomis flava flava*
in Taiwan 4226
preyed on by, *Cantheconidea furcellata*, in Taiwan 4226
- Anomis leona*
in Ivory Coast 1237
parasitised by, *Trichogrammatoidea lutea*, in Ivory Coast 1237
- Anomis mesogona*
illustrations of 2002
in South Korea 2002
on grapevine, in South Korea 2002
- Anomis texana*
biology of 2708
hyperparasitised by
Brachymeria spp., in Peru 2708
Isdromas spp., in Peru 2708
in Peru 2707–2708
on cotton, in Peru 2707–2708
parasitised by
Rogas gossypii
and biological control using, in Peru 2707
in Peru 2708
- Anonaceae, *Xylosandrus compactus* on, in Florida 332
- anona*, *Ceratitidis*
- anona*, *Eriophyes*
- anonella*, *Cerconota*
- Anoplocnemis curvipes*
descriptions of 6159
in Nigeria 6159
life history of 6159
on *Vigna unguiculata*, in Nigeria 6159
- Anoplognathus porosus*, mortality in, effects of temperature and soil moisture on 4125
- Anoplolepis longipes*
associated with, *Dysmicoccus brevipes*, in Taiwan 3645
control of
baits for 3645, 5989
insecticides for 5989
in Papua New Guinea 1270, 1490, 3013
in Seychelles 5989
in Taiwan 3645
in cacao plantations, in Papua New Guinea 1270
in coffee plantations, in Papua New Guinea 1270
in dwellings, in Seychelles 5989
in eucalypt savanna, in Papua New Guinea 1270
in kunai grassland, in Papua New Guinea 1270
in oil-palm plantations, in Papua New Guinea 1270
on cacao, in Papua New Guinea 1490

- Anoplolepis longipes** *contd.*
preying on, *Pantorhytes szentivanyi*, in
Papua New Guinea 1490, 3013
- Anoplonyx duplex**
in Switzerland 2161
on *Larix decidua*
effects of damage by *Zeiraphera diniana*
on 2161
in Switzerland 2161
parasites of, in Switzerland 2161
- Anoplonyx ovatus**
in Switzerland 2161
on *Larix decidua*
effects of damage by *Zeiraphera diniana*
on 2161
in Switzerland 2161
parasites of, in Switzerland 2161
- Anoplonyx versicolor**
sp. nov., description of 4605
in Finland 4605
in USSR 4605
on *Larix decidua*, in Finland 4605
on *Larix sibirica*, in Finland 4605
- Anoplura**
eggs of 3379
sterilisation of, prediction of radiation
dose required for 3427
- Anoscopus**
in Nearctic region 3984
taxonomy of 3984
- Anoxia**
in *Sitophilus granarius*, caused by mineral
oils 3891
in *Sitophilus oryzae*, caused by mineral
oils 3891
- Anoxia**, on sunflower, in Yugoslavia 4972
- Anser anser**, eggs of, organochlorine residues
in 1047
- Ant** (see Formicidae)
- Antarctica**, organochlorine residues in snow
in 2316
- antennata**, *Lithophane*
- Antenini**, parasitising, Auchenorrhyncha
6012
- Antestiopsis**
control of, biological 4990
on coffee, in Kenya 4990
- Antestiopsis clymeneis**
control of, insecticides for 3017
in Malagasy Republic 3017
on coffee, in Malagasy Republic 3017
- Antestiopsis orbitalis bechuana**
control of, growth regulators for 5183
parasites of, effects of growth regulators
on 5183
parasitised by, *Trissolcus seychellensis*
5183
- Antestiopsis orbitalis ghesquierei**
control of, growth regulators for 5183
parasites of, effects of growth regulators
on 5183
- Antestiopsis orbitalis ghesquierei** *contd.*
parasitised by, *Trissolcus seychellensis*
5183
- Anthaxia**, on *Abies cephalonica*, in Greece
5000
- Anthemidaphis oligommata**, in Poland 7144
- Anthemis arvensis**, *Thrips tabaci* on, in
Bulgaria 3700
- Antheraea eucalypti**, cell cultures from 38
- Antheraea pernyi**
cocoon construction in 6538
diapause in 648
enzymes in 5888
iridescent virus in, nucleic acid synthesis
by 953
pupal development in 648
silk of 4049
sperm activation in 48
Telea polyphemus sex pheromone not
attractive to 4073
- Antheraea polyphemus** (see *Telea*)
- Anthio** (see Formothion)
- Anthocephalus cadamba** (see *A. indicus*)
- Anthocephalus indicus**, extracts of, in
Dysdercus cingulatus, JH activity of
4529
- Anthocoptes loricatus**
in USSR 6096
on hazel, in USSR 6096
- Anthocoridae**
preying on
Microlophium carnosum, in England
5480
Trogoderma granarium, in Punjab
6315
- Anthocoris nemoralis**
development in 1288
in UK 796
preying on
Cydia pomonella, in England 796
Psylla pyricola 1288
searching behaviour in 1288
- Anthocoris nemorum**
apple canker and 5978
in Switzerland 4315
in UK 796, 5978
in USSR 6726
in pear orchards, not affected by growth
regulators 4315
insecticides in, toxicity of 5436
predatory efficiency in 6630
preying on
Acyrtosiphon pisum 6630
Cydia pomonella, in England 796
Phyllonorycter pyrifoliella, in Russian
Republic 6726
Psylla pyri 4315
- Anthomyia brassicae** (see *Delia*)
- Anthomyiidae**
control of, genetic 5113
parasitised by, *Phygadeuon* spp. 1284
- Anthonominae**, biology of 5973

anthonomoides, Apion**Anthonomus amygdali**

- biology of 1382
- in Bulgaria 1382
- on almond, in Bulgaria 1382
- on peach, in Bulgaria 1382

Anthonomus commutatus

- sp. nov., description of 7013
- in Romania 7013
- in Turkey 7013
- in USSR 7013
- on plum, in Turkey 7013

Anthonomus grandis

- attractants for 7567
- attraction of, females to males 3397
- collection of, airflow systems for 2083
- control of
 - attractants for 2993
 - growth regulators for 2998
 - insecticides for 535, 997, 2092, 2989–2991, 3281, 3710, 4373, 6191
 - optimum spray-droplet sizes for 2991
 - population management for 2994
 - sterile-insect release for 3213, 3397, 3426
 - timing of 4372
 - trap crops for 7394
 - traps for 6191
- development in, effects of temperature on 3447, 4134
- diapause in 4372
 - nitrogen metabolism during 6474
- dispersal of 3711
- dye-sensitised photooxidation reactions in 4119
- ebony mutant of, phenotypic deviation in 3426
- embryonic development in, effects of temperature on 570
- feeding behaviour in, effects of γ -irradiation on 2406
- food-plants of 1331
- Glugea gastri* in, effects on parasites of 2203
- in Mexico 1076, 1331, 3699, 7567
- in USA 997, 1331, 2083, 2989, 2991–2994, 2996, 2998, 3213, 3397, 3426, 3453, 3551, 3710, 4102, 4362, 4372–4373, 5336, 5638, 6189, 6191, 6373, 7394
- in Venezuela 2091–2092
- in electric fields, tracking of 7149
- in oat straw, in Texas 4102
- in woodland litter, in Texas 4102
- insecticide susceptibility in, reference values of 519
- mating competitiveness in, effects of chemosterilants on 617
- migration in 5638
- minerals in 2992
- mortality in, effects of temperature on 3447

Anthonomus grandis contd.

- on cotton
 - assessing infestations of 2083, 2996
 - damage caused by 2096
 - models of 3448
 - in Alabama 2994
 - in Arizona 6191
 - in Arkansas 997
 - in Georgia (USA) 2989
 - in Louisiana 3453
 - in Mexico 3699
 - in Mississippi 2083, 2994, 3453, 3551, 3710, 4362, 5336, 6189
 - in South Carolina 2998
 - in Texas 2996, 4372–4373, 5638, 6373, 7394
 - in USA 2991
 - in Venezuela 2091–2092
 - models of 6373
- overwintering in 3453, 4102
- oviposition in 2096, 5336
- parasites of, effects of microsporidia on 2203
- parasitised by
 - Bracon mellitor* 2203
 - in Mississippi 3551
 - Eurytoma gossypii*, in Mexico 1076
- pheromones in 72, 1795, 7058
 - effects of γ -irradiation on 2406
 - effects of overwintering on 7059
- phosfolan in, bioassay for 6186
- rearing of
 - techniques for 2573
 - volatile compounds associated with 4724
- reproduction in 4372
- seasonal abundance of 3699
- sex pheromone of
 - biosynthesis of 601
 - effects of chemosterilants on production of 4686
 - lifetime synthesis potential of 1483
- spermathecal glands in, role in reproduction of 1768
- spermathecal muscle in, functions of 47
- spermatogenesis in 3412
- sterilisation of
 - chemosterilants for 617, 1795, 2998, 4362
 - indirect evaluation of 658
 - methods for 7571
- Tachinid larviposition stimulant not found in 784
- testes in, determining busulfan damage to 119
- traps for 2563, 3397, 5638, 6189
- volatile constituents of 72
- Anthonomus grandis grandis**, reproductive isolation in 3411
- Anthonomus grandis grandis** \times *A. g. thurberiae*, spermatogenesis in 3411

- Anthonomus grandis thurberiae**, reproductive isolation in 3411
- Anthonomus hickeyi**, taxonomy of, synonym of *A. suturalis* 3996
- Anthonomus pomorum**
control of, insecticides for 5750
in Poland 6928
on apple 6613
damage caused by 6928
in Poland 6928
- Anthonomus rubi**
in Poland 1394
on raspberry
damage caused by 1394
in Poland 1394
- Anthonomus signatus**
development in 2852
in USA 2852
on strawberry, in Michigan 2852
- Anthonomus suturalis**, taxonomy of, *Anthonomus hickeyi* as synonym of 3996
- Anthoseius rhenanus** (see *Typhlodromus*)
- Anthospermum aethiopicum**, *Paracoccus perperus* on, in South Africa 3989
- Anthoxanthum**, *Chorthippus parallelus* on, repelled by coumarin content 169
- anthracina**, *Pegohylemyia*, (*Phorbia*)
- anthracina**, *Pheidole*
- Anthranilic acid** (see Benzoic acid, 2-amino-)
- Anthrenus**
in clothing, in Europe 6237
in *Ephestia kuehniella* nests 4712
in textiles, in West Germany 5698
- Anthrenus coloratus**
in USA 6237
in dwellings, in USA 6237
- Anthrenus flavipes**
control of 4425
insecticides for 3084
in feedstuffs, imported into West Germany 5699
in textiles 3084
in wool textiles
effects of nutrients on 4053
feeding by 6277
life history of 4425
- Anthrenus sarnicus**
in UK 6237
in dwellings, in UK 6237
- Anthrenus scrophulariae**
control of 4425
life history of 4425
- Anthrenus verbasci**
control of 4425
in UK 6237
in wool textiles, in UK 6237
life history of 4425
- Anthribus nebulosus** (see *Brachytarsus*)
- anthrisci**, *Dysaphis*
- anthrisci**, *Phytomyza* (see *P. chaerophylli*)
- Anthurium**
Chaetanaphothrips orchidii on, in Hawaii 4596
C. signipennis on, in Hawaii 4596
Danothrips trifasciatus on, in Hawaii 4596
- Antaggregative pheromones**, *Dendroctonus rufipennis* 6212
- Antibiotics**
against, *Panonychus ulmi*, on apple 4185
diet component for, Lepidoptera 1230
- Antibodies**
to *Baculovirus heliothis*, in *Macaca mulatta*, not found 3154
to pesticide-protein complexes 7151
- Anticarsia gemmatilis**
control of
development inhibitors for 2934
kairomones to attract parasites for 4505
- Entomophthora* spp. in, in South Carolina 3822
feeding behaviour in 2936
in Brazil 2934, 5732
in Chile 699
in Peru 156
in USA 2934-2935, 3822, 7487
locomotion in, circadian rhythm of 5909
mating in, circadian rhythm of 5909
- Nomuraea rileyi* in
and biological control using 952
in Brazil 5732
in South Carolina 3822
in USA 7487
pathogenicity of 7487
on lucerne, in Chile 699
on soy bean
assessing infestations of 2935
damage caused by 2936
in Brazil 2934, 5732
in Georgia (USA) 2934
in South Carolina 2934-2935, 3822
parasitised by, *Trichogramma achaeae* 4505
preyed on by
Podisus maculiventris 5439
Stiretrus anchorago 5439
- Antichloris**, taxonomy of 2350
- Antichloris caca**, taxonomy of, *Ceramidia butleri* as synonym of 2350
- Antichloris viridis**
on banana
in Central America 2350
in South America 2350
taxonomy of
misidentified as *Ceramidia butleri* 2350
transferred from *Ceramidia* 2350
- Anticyra combusta** (see *Dinara*)
- Antifeedants**
for *Chorthippus parallelus*, in non grasses 169

Antifeedants *contd.*

- for *Costelytra zealandica*, in *Lotus pedunculatus* 6076
- for *Lymantria dispar* 2263
 - holly and pine extracts as 4112
- for *Neodiprion rugifrons*
 - pine extracts as 4410
 - pine foliar extracts as 5765
- for *Neodiprion swainei*, pine foliar extracts as 5765
- for *Nilaparvata lugens*, in *Echinochloa crus-galli* 5755
- for *Sitophilus granarius* 5063
- insect control using 2258
- substances tested as: plant extracts 3347, 3906

Antigastra catalaunalis

- control of
 - cultural measures for 2980
 - insecticides for 2079
- in India 4356, 4971
- in Nigeria 2980
- Mermis* spp. in, in Madhya Pradesh 4971
- on sesame 2079
 - in Madhya Pradesh 4356, 4971
 - in Nigeria 2980
 - varietal preferences of 4356
- parasitised by
 - Apanteles* spp., in Nigeria 2980
 - Cadurcia lucens*, in Nigeria 2980
 - Pristomerus* spp., in Nigeria 2980
- population dynamics of 2980

Antigens

- of *Bacillus popilliae* 466
- of insect-infecting rickettsiae 3825
- of *Lymantria dispar* nuclear polyhedrosis virus 2208
- of *Melanoplus sanguinipes* accessory glands 7077
- of *Neodiprion sertifer*, detection in predators of 5385
- of *Spodoptera litura* nuclear polyhedrosis virus 6888

Atigua, insect pests in 1848

Atimetabolites

- for *Caloglyphus berlesei* 6239
- for *Tyrophagus putrescentiae* 6239
- insect control using 2258

Atiqua, Delia

(*Hylemya*)
(*Phorbia*)

Atiqua, Orgyia

Atiquum, Apion

tirrhinum

Calophasia casta on, in Yugoslavia 5479

Chrysomela gypsophilae on, development of 5479

Antiteuchus tripterus limbiventris

defensive behaviour in 4111

in Colombia 4111

on cacao, in Colombia 4111

Antiteuchus tripterus limbiventris *contd.*

on mango, in Colombia 4111

oviposition in 4111

parasitised by

Phanuropsis semiflaviventris, in Colombia 4111

Trissolcus bodkini, in Colombia 4111

Antitranspirants, in *Pinus strobus*, effects on susceptibility to *Pissodes strobi* of 4412

antonii, Helopeltis**Antonina crawi**

in USSR 550

on *Sasa*, in Kurile Islands 550

parasitised by

Aphyculus antoninae, in Kurile Islands 550

Apterocyrtus danzigae, in Kurile Islands 550

Antonina graminis

in Israel 4504

on *Chloris gayana*, in Israel 4504

parasitised by, *Neodusmetia sangwani*, and biological control using, in Israel 4504

antoninae, Aphyculus

Anuraphidina, chromosomes in 6515

Anuraphis farfarae

chromosomes in 6515

in USSR 6515

Anuraphis subterranea

chromosomes in 6515

in USSR 6515

anurus, Bathyplectes**Anusoidea luzonica**

sp. n., description of 1088

descriptions of 15

in Philippines 15, 1088

parasitising, *Pseudococcus citriculus*, in Philippines 15, 1088

anxius, Agrilus

Anysis, parasitising, *Cerococcus hibisci*, in Andhra Pradesh 3732

Anysis alcocki 3732**Anystidae**

descriptions of, literature on 5995

rearing of, equipment for 4165

Anystis

in citrus groves, in Japan 336

preying on

aphids, and biological control using, in USSR 5472

Tetranychidae, and biological control using, in USSR 5472

Tetranychus truncatus, in Taiwan 2909

traps for 5472

Anystis agilis

biology of 1907

in USA 1907

preying on

aphids, in California 1907

Panonychus citri, in California 1907

Anystis agilis* contd.**preying on *contd.**Scirtothrips citri*, in California 1907Anystis baccarum***

biology of 5995

descriptions of 5995

in USSR 5995, 6418

pesticides in, toxicity of 6418

prey of 5995

preying on

aphids 6418

Tetranychidae 6418

and biological control using 5995

in USSR 5995

Aonidia glandulosa* (see *Pseudotargionia*)**aonidiæ*, *Aphytis******Aonidiella***on *Citrus*, in Morocco 5107parasitised by, *Aphytis melinus*, and
biological control using, in Morocco
5107***Aonidiella andersoni* (see *A. simplex*)*****Aonidiella aurantii***

biology of 4914, 5098

control of 337, 4914

biological 5221, 5955

insecticides for 333–335, 2898, 3940,
3971development in, effects of JH mimics on
2894dimethoate resistance in, in South Africa
6138

food-plants of, radiolabelling of 137

in Argentina 3638

in Australia 333, 2898, 3639, 5577

in Cyprus 3971

in Egypt 334–335, 7283

in France 5098

in Greece 5103

in Japan 1894, 5101

in Morocco 5110

in Pakistan 1386

in South Africa 4327, 5955–5956, 6138

in Spain 2535

in Swaziland 5221

in Turkey 5104

in USA 337, 3940, 4914

methidathion resistance in, in South
Africa 6138omethoate resistance in, in South Africa
6138on *Citrus*

in California 337, 4914

in Cyprus 3971

in Egypt 334–335

in France 5098

in Greece 5103

in Japan 5101

in Morocco 5110

in South Africa 5955–5956

in South Australia 2898, 3639, 5577

in Spain 2535

***Aonidiella aurantii* contd.**on *Citrus* *contd.*

in Swaziland 5221

in Turkey 5104

in USA 3940

on *Citrus* rootstocks, susceptibility to
3638on lemon, effects of rootstock on
susceptibility to 3638

on orange, in South Africa 4327, 6138

parasites of
effects of insecticides on 4327
in South Africa 4327

parasitised by

Aphytis spp. 5097*A. africanus*, in South Africa 5956*A. chrysomphali* 92*A. melinus* 92

and biological control using

in Greece 5103

in Morocco 5110

in South Africa 5956

in South Australia 2898, 3639,
5577

in Pakistan 1386

in Turkey 5104

Aspidiotiphagus citrinus

in Japan 1894, 5101

in Turkey 5104

Comperiella bifasciata

and biological control using

in Greece 5103

in South Africa 5956

in France 5098

Habrolepis rouxi, in South Africa
5956***Prospaltella perniciosi***, and biological
control using, in Greece 5103

population dynamics of 5221

preyed on by

Coleoptera, in South Africa 5956

Cybocephalus* spp.** 2721Lindorus lophanthæ***, in Spain 2535

sex pheromone glands in 2365

Aonidiella citrina

biology of 5100

control of 337

distribution maps for 4153

in Pakistan 1386

in Turkey 5104

in USA 337

on *Citrus*

in California 337

in Turkey 5104

in West Africa 5100

parasitised by

Aphytis melinus

in Pakistan 1386

in Turkey 5104

Aspidiotiphagus citrinus, in Turkey
5104

sex pheromone glands in 2365

- Aonidiella orientalis***
 in India 1908
 in Pakistan 1280, 1386
 on *Ficus*, in Uttar Pradesh 1908
 on guava, in Uttar Pradesh 1908
 parasitised by
 Ablerus aonidiellae, in Uttar Pradesh 1908
 Aphytis melinus, in Pakistan 1386
 Marlattella maculata, in Uttar Pradesh 1908
 Phycus aligarhensis, in Uttar Pradesh 1908
 preyed on by, *Pharoscyrnus simmondsi*, in Pakistan 1280
- Aonidiella simplex***
 in India 1847
 on *Ricinus communis*, in Tamil Nadu 1847
- Aonidiella taxus***
 biology of 2531
 in Japan 1894, 5101
 on *Podocarpus*, in Japan 5101
 parasitised by, *Aspidiotiphagus citrinus*, in Japan 1894, 5101
- Aonidiellae, Ablerus***
Aonidium, Chrysomphalus
Aonila (see *Phyllanthus emblica*)
Aamea anceps
 in USSR 3856
 on grain crops, in USSR 3856
Aamea sordens
 granulosis virus in, in Kazakhstan 3856
 in USSR 3856
 on rye
 forecasting infestations of 3856
 in Kazakhstan 3856
 on wheat
 forecasting infestations of 3856
 in Kazakhstan 3856
- Apanteles***
 in Hungary 2632
 in north-western Europe 5230
 parasitised by
 Eurytoma goidanichi, in USSR 6001
 E. verticillata, in USSR 6001
 parasitising
 Antigastra catalaunalis, in Nigeria 2980
 Diacrisia obliqua
 in India 2059
 in Madhya Pradesh 6641
 Elasmopalpus lignosellus, in Oklahoma 3678, 4343
 Eucosma hapalosarca, in Pakistan 3758
 Euproctis fraterna, in Bihar 852
 Heliothis armigera, in Bulgaria 1275
 Hyphantria cunea, in Yugoslavia 6546
 Lamprosema diemenalis, in Malaysia 861
- Apanteles* contd.**
 parasitising contd.
 Phthorimaea operculella
 in Maharashtra 1278
 in South America 1277
- Apanteles absonus***
 descriptions of 193
 in Canada 193
 parasitising
 Acleris variana, in Canada 193
 Choristoneura fumiferana, in Canada 193
 Dioryctria reniculella, in Canada 193
- Apanteles ater***
 in Hungary 4211
 in Netherlands 327
 parasitising
 Acleris spp., in Netherlands 327
 Archips spp., in Netherlands 327
 Pandemis spp., in Netherlands 327
 Spilonota ocellana, in Hungary 4211
 taxonomy of, characters distinguishing *A. xanthostigmus* and 327
 group of, taxonomy of, revision of 5230
- Apanteles carbonarius***, group of, taxonomy of, revision of 5230
- Apanteles carpatus***, taxonomy of, *Apanteles sarcitorius* as synonym of 5230
- Apanteles chilonis***
 in Japan 773
 parasitising
 Chilo partellus 4788, 7198, 7200
 sugar-cane borers, and biological control using, in Punjab 4788
 rearing of, techniques for 4788
 reproduction in 7200
 superparasitism in 7198
- Apanteles circumscriptus***
 in UK 6632
 in USSR 6726
 parasitising, *Phyllonorycter pyrifoliella*, in Russian Republic 6726
 reproduction in 6632
- Apanteles congregatus***, parasitising, *Manduca sexta* 1752
- Apanteles contortus***
 in Greece 5230
 taxonomy of, *Apanteles crantor* as synonym of 5230
- Apanteles crantor***, taxonomy of, synonym of *A. contortus* 5230
- Apanteles diatraeae***
 parasitising
 Chilo partellus 4788
 sugar-cane borers, and biological control using, in Punjab 4788
 rearing of, techniques for 4788
- Apanteles dignus***
 emergence in, inhibited by JH mimics 382
 in USA 382

***Apanteles dignus* contd.**

- parasitising, *Keiferia lycopersicella*, in Florida 382

Apanteles electilis

- in USSR 5230
- taxonomy of 5230

Apanteles erionotae

- in Indonesia 726
- parasitising, *Erionota thrax*, in Indonesia 726

Apanteles flavipes

- in Hong Kong 2809
- in India 4788
- in Japan 773
- in Malaysia 4849
- parasitising

Chilo partellus 4788, 7198, 7200

and biological control using

in Pakistan 773

in South Africa 5952

C. polychrysus, in Malaya 4849

Scirpophaga incertulas, in Hong Kong 2809

Sesamia inferens, in Pakistan 773

rearing of, techniques for 4788

reproduction in 7200

superparasitism in 7198

Apanteles fulvipes

- in Switzerland 5789
- parasitised by, Chalcididae, in Switzerland 5789

parasitising, *Lymantria dispar*, in Switzerland 5789

Apanteles fumiferanae

- descriptions of 193
- in Canada 193
- in USA 5437
- parasitising

Choristoneura fumiferana

in Canada 193

in Maine 5437

Apanteles gelechiidivoris

- sp. n., description of 1905
- in Colombia 1905
- parasitising

Keiferia lycopersicella, and biological control using, in California 1905

Phthorimaea operculella, and biological control using, in California 1905

Scrobipalpula absoluta, in Colombia 1905

Apanteles glomeratus

- Bacillus thuringiensis* in effects of 2196
- pathogenicity of 631
- bentonite in, toxicity of 631
- biology of 2719
- courtship in 7114
- hosts of, selection of 792
- in Australia 6965
- in France 3857
- in Japan 1816, 4133

***Apanteles glomeratus* contd.**

- in Switzerland 5789
- in Taiwan 2719
- in USSR 6103, 6767
- insecticides in, toxicity of 6965
- parasitising

Aporia crataegi, in Georgia (USSR) 6103

Pieris spp., in Taiwan 2719

P. brassicae 2196, 5445

in France 3857

in Switzerland 5789

in USSR 6767

P. rapae 792

in New South Wales 6965

in Okinawa Prefecture 1816, 4133

in USSR 6767

group of 2059

parasitising, *Diacrisia obliqua*, in Madhya Pradesh 6641

Apanteles kazak

biology of 1275

in Bulgaria 1275

parasitising, *Heliothis armigera*, in Bulgaria 1275

Apanteles lacteus, group of, taxonomy of, revision of 5230

Apanteles laevigatus

in USSR 6103, 6832

parasitising

Malacosoma neustria, in Georgia (USSR) 6103

Tortrix viridana, in Russian Republic 6832

Apanteles lectus

in USSR 5230

taxonomy of 5230

Apanteles liparidis

in USSR 6002

parasitised by, *Dibrachys cavus*, in Ukraine 6002

parasitising, *Lymantria dispar*, in Ukraine 6002

Apanteles longicauda

in Hungary 2012, 4211

parasitising

Recurvaria leucatella, in Hungary 2012

R. nanella, in Hungary 4211

Apanteles mahoniae

sp. n., description of 4599

in Canada 4599

in USA 4599

parasitising

Coryphista meadii

in British Columbia 4599

in Idaho 4599

Apanteles marginiventris

in USA 1916

parasitising, *Plathypena scabra*, in Iowa 1916

Apanteles melanoscelus

- descriptions of 6623
- development in 6820
- effects of growth regulators on 5144
- diapause in 1287
- diflubenzuron in, toxicity of 4566
- host recognition in, influenced by kairomones 5442
- hosts of 6623
- in France 1287
- in Italy 6623
- in USA 1287, 3750, 4214, 6820
- in USSR 6002, 6103
- in Yugoslavia 1287
- parasitised by
 - Dibrachys cavus*, in Ukraine 6002
 - Eurytoma goidanichi*, in Ukraine 6002
 - E. verticillata*, in Ukraine 6002
- parasitising
 - Lymantria dispar* 1287, 4566, 5442
 - and biological control using 6820
 - in Connecticut 926
 - in Pennsylvania 6222
 - in Connecticut 3750, 6820
 - in Europe 3168
 - in Georgia (USSR) 6103
 - in Massachusetts 4214
 - in Ukraine 6002
 - Ostrinia nubilalis*, in Italy 6623
- sex ratio in 6820
- panteles merula**, group of, taxonomy of, revision of 5230
- panteles metacarpalis** 1278
- panteles militaris**
- life history of 6629
- parasitising, *Mythimna unipuncta* 6629
- panteles morrissi**
- sp. nov., description of 193
- in Canada 193
- parasitising
 - Choristoneura fumiferana*, in Canada 193
 - C. pinus*, in Canada 193
- panteles myeloenta**
- in Greece 5230
- taxonomy of 5230
- panteles nonagriæ** Olliff 773
- panteles nonagriæ** Vier. 773
- panteles obliquæ**
- in India 2059, 6641
- parasitising
 - Diacrisia obliqua*
 - in India 2059
 - in Madhya Pradesh 6641
- panteles petrovæ**
- descriptions of 193
- in Canada 193
- parasitising
 - Choristoneura fumiferana*, in Canada 193
 - C. pinus*, in Canada 193
 - Dioryctria auranticella*, in Canada 193

Apanteles petrovæ contd.

- parasitising contd.
 - Dioryctria* contd.
 - D. reniculella*, in Canada 193
 - Rhyacionia frustrana*, in Canada 193
- Apanteles plutellæ**
- in India 1087
- in Taiwan 2917
- insecticides in, toxicity of 3651
- parasitised by, *Brachymeria excarinata*, in Karnataka 1087
- parasitising
 - Corcyra cephalonica* 667
 - Ephestia cautella* 667
 - Plutella xylostella* 3651
 - and biological control using, in Taiwan 667
 - in Taiwan 2917
 - rearing of, techniques for 667
- Apanteles popularis**, group of, taxonomy of, revision of 5230
- Apanteles porthetriae**
- in USSR 6002
- parasitised by
 - Dibrachys cavus*, in Ukraine 6002
 - Eurytoma verticillata*, in Ukraine 6002
 - Pediobius* spp., in Ukraine 6002
- parasitising
 - Lymantria dispar*
 - in Europe 3168
 - in Ukraine 6002
- Apanteles praetor**
- in France 6712
- parasitising, *Synanthedon tipuliformis*, in France 6712
- Apanteles reicharti**
- in Hungary 4211
- parasitising, *Spilonota ocellana*, in Hungary 4211
- Apanteles rubecula**
- in USSR 6767
- parasitising
 - Pieris brassicae*, in USSR 6767
 - P. rapae*, in USSR 6767
- Apanteles ruficrus**
- in Egypt 4182
- in USSR 6767
- parasitising
 - Autographa gamma*, in Egypt 4182
 - Mythimna separata*, and biological control using, in New Zealand 3972
 - Plutella xylostella*, in Caucasus 6767
 - Synggrapha circumflexa*, in Egypt 4182
- Apanteles sarcitorius**, taxonomy of, synonym of *A. carpatus* 5230
- Apanteles schizuræ**
- in USA 1320
- parasitising, *Schizura concinna*, in California 1320

Apanteles scutellaris

- emergence in, inhibited by JH mimics 382
 in USA 382
 parasitising, *Keiferia lycopersicella*, in Florida 382

Apanteles sesamiae, parasitising, *Eldana saccharina*, in East Africa 232***Apanteles solitarius*** (see *A. melanoscelus*)***Apanteles subandinus***

- in Argentina 1277
 in Peru 1277
 in Uruguay 1277
 parasitising
 Phthorimaea operculella
 and biological control using
 in South Africa 5951
 in Zambia 2070
 in South America 1277

Apanteles syleptae

- in Egypt 5588
 in India 2798
 parasitising
 Cnaphalocrocis medinalis, in Kerala 2798
 Palpita unionalis, in Egypt 5588

Apanteles taragamae

- in India 7203
 parasitising, *Cydia pseudonectis*, in Madhya Pradesh 7203

Apanteles tasmanicus

- in New Zealand 1421
 parasitising, *Epiphyas postvittana*, in New Zealand 1421

Apanteles tedellae, parasitising, *Epinotia tedella* 4218, 5445***Apanteles tersus***

- in Hungary 4211
 parasitising, *Adoxophyes orana*, in Hungary 4211

Apanteles typhon

- in Uganda 2084
 parasitising, *Cryptophlebia leucotreta*, in Uganda 2084

Apanteles ultor, group of, taxonomy of, revision of 5230***Apanteles urgo***

- in Greece 5230
 taxonomy of 5230

Apanteles validus, group of, taxonomy of, revision of 5230***Apanteles vipio***, group of, taxonomy of, revision of 5230***Apanteles xanthostigmus***

- in France 2722
 in Hungary 4211
 in Italy 407
 in Netherlands 327
 parasitising
 Adoxophyes orana, in Netherlands 327
 Epichoristodes acerbella, in Italy 407

***Apanteles xanthostigmus* contd.**

- parasitising contd.
 Eublemma scitula, in France 2722
 Hedya nubiferana
 in Hungary 4211
 in Netherlands 327
 Pandemis spp., in Netherlands 327
 taxonomy of, characters distinguishing *A. ater* and 327

Apatele leporina (see *Acronicta*)***Apatele psi*** (see *Acronicta*)***Apatura ilia***, thermoregulation in, role of wings in 4042***Apechthis ontario***

- in USA 5437
 parasitising, *Choristoneura fumiferana*, in Maine 5437

Apechthis resinator

- in USSR 6832
 parasitising, *Tortrix viridana*, in Russian Republic 6832

Apechthis rufata

- in USSR 6832
 parasitising, *Tortrix viridana*, in Russian Republic 6832

Aphaenogaster, control of, baits for 2696***Aphaenogaster perplexus***

- in Papua New Guinea 1270
 in forests, in Papua New Guinea 1270

Aphanostigma iaksuense

- control of, insecticides for 2017
 in South Korea 2017
 life history of 2017
 on pear, in South Korea 2017
 preyed on by
 Coccinellidae, in South Korea 2017
 Proctolaelaps pygmaeus, in South Korea 2017

Aphanostigma piri

- biology of 2018–2019
 control of, insecticides for 2018
 in France 2018–2019
 in Switzerland 2019
 on pear
 damage caused by 2018
 in France 2018
 in Switzerland 2019
 traps for 2018

Aphelandra

- Brevipalpus phoenicis* on
 damage caused by 6805
 in USA 6805

Aphelandra squarrosa

- Saissetia coffeae* on 3729
 in Florida 6802

Aphelenchoididae, in, insects 957**Aphelinidae**

- biology of 6638
 in USSR 6638
 parasitising, *Acyrtosiphon pisum*, in Poland 2838
 taxonomy of 4607, 7024

Aphelinus asychis

- feeding behaviour in 2495
- in Pakistan 856
- parasitising
 - aphids, and biological control using 982
 - Brevicoryne brassicae*, in Pakistan 856
 - Schizaphis graminum* 2495

Aphelinus flavus

- in UK 1891
- parasitising, *Drepanosiphum platanoides*, in Scotland 1891

Aphelinus mali, parasitising, *Eriosoma lanigerum*, and biological control using, in USSR 6638**Aphelopinae**, parasitising, Auchenorrhyncha 6012**Aphid** (see Aphididae)**Aphidan** (see Phosphorodithioic acid, S [(ethylsulfinyl)methyl] O,O-bis(1-methylethyl) ester)**Aphididae**

- barley yellow dwarf virus in, in Canada 6041
- beet mild yellowing virus in
 - in UK 3679
 - transmission of 2665
- beet yellows virus in
 - in UK 3679
 - transmission of 2665
- celery mosaic virus in, transmission of 4511
- chromosomes in 6515
- control of 4981
 - biological 974, 982, 3835
 - economic threshold for 7579
 - insecticides for 370, 799, 976, 978, 1492, 1602, 2657, 2659, 3060, 3299, 4558, 5602, 5622, 6759, 7367, 7375, 7378, 7399, 7573, 7579, 7598, 7605-7606, 7610
 - integrated 2919, 5035
 - oil emulsions for 4511
 - reflective mulches for 4456, 4511
 - trap-plants for 7629
- cowpea phyllody, causal agent in, transmission of 2930
- Entomophthora aphidis* in, in Chile 5072
- E. planchoniana* in, in Chile 5072
- E. thaxteriana* in, in Chile 5072
- excreta in 4678
- food-plants of, in Kenya 790
- hyperparasites of, in Kenya 790
- in Bangladesh 4180
- in Brazil 678
- in Haryana 6449
- in Himachal Pradesh 7135
- in Hungary 4003
- in India and adjacent countries 2355
- in Kenya 5918
- in New York 3538
- in New Zealand 1202
- Aphididae contd.**
 - in Peru 176
 - in Poland 7144
 - in Switzerland 5375
 - in Tanzania 5918
 - in Turkey 2536
 - in Uttar Pradesh 7134
 - in carrot fields, in France 7156
 - in forests, in New Zealand 2271
 - in pastures, effects of insecticides on 7678
 - insecticide resistance in 7285
 - testing for 5186
 - ionic balance in 4678
 - keys to 2370
 - lucerne viruses in, transmission of 4295
 - migration in 6427
 - natural enemies of, in USSR 6620
 - on almond, in Lebanon 4894
 - on apple
 - effects of clean cultivation on 6111
 - in France 3630
 - in West Germany 6111
 - on barley, in UK 4254
 - on beet, in USSR 5612
 - on *Betula*, in Washington 3060
 - on cabbage, in Poland 2919
 - on cacao, in West Africa 1492
 - on *Capsella bursa-pastoris*, in UK 3679
 - on *Capsicum*, in Netherlands 978
 - on *Capsicum annuum*, in Israel 4456
 - on *Castanea sativa* 2006
 - on celery, in New York 4558
 - on *Citrus*, in California 337
 - on cotton
 - in Botswana 3858
 - in Central African Republic 3806
 - in Swaziland 4981
 - in Uzbekistan 6183
 - on eggplant 6180
 - on *Galium*, in Europe 777
 - on glasshouse plants, in Poland 7138
 - on grain crops 7579
 - in UK 7618
 - on herbaceous plants, rearing of 4177
 - on kale, in New York 4931
 - on lettuce, in Queensland 6759
 - on lucerne
 - assessing infestations of 1841
 - in Bulgaria 1986
 - in Egypt 3602-3603
 - on maize, in Georgia (USA) 5503
 - on orange, in California 1907
 - on ornamental plants
 - in Italy 2118
 - in Kenya 1897
 - on *Phaseolus vulgaris*, in Austria 7351
 - on plum, in California 1640
 - on potato
 - in Denmark 4349
 - in East Germany 7375-7376
 - in Poland 6782

Aphididae contd.

- on potato *contd.*
 - in UK 7378
 - in USSR 5622, 6167
- on pulse crops 6771
- on *Senecio vulgaris*, in UK 3679
- on *Stellaria media*, in UK 3679
- on sugar-beet
 - in England 799, 7598
 - in Kirghizia 6783
 - in Poland 370, 3299
 - in UK 7367
- on tobacco, in USSR 7399
- on trees, in UK 5035
- on *Trifolium alexandrinum*, in Egypt 3602–3603
- on *Vicia faba*, in East Germany 5602
- on watermelon, in Florida 457
- on wheat, in UK 4254
- paedogenesis in 3391
- parasites of, in Taiwan 6635
- parasitised by
 - Aphidiidae**
 - in Corsica 6450
 - in Kenya 790
 - in Mediterranean area 6644
 - in Meghalaya 7205
 - Aphidius* spp., in Rhodesia 1049
 - Monoctonus nervosus* 1899
- plant viruses in
 - in East Germany 2673
 - transmission of 3114
- population growth in, in glasshouses 7041
- population size of, estimation of 1829
- predators of
 - and biological control using, in UK 798
 - in Bulgaria 2864
 - in England 4772
 - in Poland 1602
 - in UK 4254
- preyed on by
 - Anystis* spp., and biological control using, in USSR 5472
 - A. agilis*, in California 1907
 - A. baccarum* 5995, 6418
 - Aphidoletes aphidimyza*, and biological control using 3832
- Carabidae**
 - in England 799
 - in Poland 370
- Chrysopa* spp., and biological control using 971
- C. carnea*, in Austria 3753
- C. perla*, and biological control using, in Poland 2919
- Chrysopidae**, and biological control using 5459
- Coccinella septempunctata* 3294
- Coccinellidae**
 - in Massachusetts 3647

Aphididae contd.

- preyed on by *contd.*
 - Coccinellidae contd.**
 - in Moldavia 7204
 - models of 2533
 - Deraeocoris nebulosus*, in Pennsylvania 6614
 - Dicyphus eckerleini* 3294
 - Hemerobius pacificus* 1188
 - Hippodamia* spp. 767
 - H. convergens*, and biological control using, in Peru 696
 - Ischiodon aegyptius*, in Egypt 4775
 - Leptogaster cylindrica*, in USSR 1876
 - Macrolophus rubi* 3294
 - Menochilus sexmaculatus*, in Karnataka 1296
 - Metasyrphus corollae*, in Egypt 4773
 - M. luniger* 7105
 - Paederus alfieri*, in Egypt 5506
 - Paragus aegyptius*, in Egypt 4774
 - Passaloecus* spp., in England 200
 - Platycheirus* spp. 7105
 - Sphaerophoria* spp. 7105
 - Staphylinidae**, in Poland 370
 - Syrphidae**
 - in Kenya 1897
 - in Poland 185–186
 - Syrphus* spp. 7105
- rearing of, techniques for 4177
- sterilisation of, field apparatus for 3241
- strains of 7285
- stylets in, amputation of 2551
- taxonomy of 69
- traps for 1451, 1635–1636, 1880, 6569
- evaluation of catches in 7156
- triglycerides in 69
- Aphidiidae**
 - hosts of 1291
 - in Far-East Asia 2322–2323
 - in Mediterranean area 6644
 - in Poland 7137
 - in South Korea 3361
- parasitising
 - Acyrtosiphon pisum*, in Poland 2838
- aphids
 - in Corsica 6450
 - in Kenya 790
 - in Meghalaya 7205
- Myzus persicae*, in Czechoslovakia 1291
- rearing of, techniques for 5925
- aphidimyza, Aphidoletes**
- Aphidinae**, alarm pheromones in 600
- aphidis, Pachyneuron**
- Aphidius**
 - hosts of 3180
 - insecticides in, toxicity of 1049
 - keys to 3180
- parasitising
 - Acyrtosiphon pisum*, in Switzerland 5740

- Aphidius contd.**
parasitising *contd.*
aphids
in Bulgaria 1939
in Rhodesia 1049
- Aphidius camerunensis**
in Kenya 790
parasitising, aphids, in Kenya 790
- Aphidius colemani** (see also *Aphidius platensis*)
development in 4796
fecundity in 5899
in Norway 4796
life-span in 4796
parasitising, *Myzus persicae* 4796, 5899
sex ratio in 5899
- Aphidius ervi**
development in 361, 4796
in Belgium 821
in Bulgaria 2262
in Norway 4796
in UK 5480
in USSR 6774
life-span in 4796
parasitised by, *Alloxysta macrophadna* 3542
parasitising
Acyrtosiphon dirhodum, in Belgium 821
A. pisum 3542
and biological control using, in
British Columbia 361
in Bulgaria 2262
in Russian Republic 6774
Macrosiphum avenae, in Belgium 821
Microlophium carnosum, in England 5480
Myzus persicae 4796
- Aphidius ervi pulcher** (see *A. pulcher*)
- Aphidius gifuensis**
in Japan 3836
parasitising, *Myzus persicae*, in Japan 3836
- Aphidius matricariae**
in Bulgaria 383
oviposition in 984
parasites of, in Bulgaria 383
parasitising
aphids 984
aphids on *Galium* 777
Aphis nasturtii, in Bulgaria 383
Myzus persicae 2555, 5465
and biological control using 970
in England 3938
in Bulgaria 383
rearing of, techniques for 5465
- Aphidius nigripes**
hydroprene in, toxicity of 5201
kinoprene in, toxicity of 5201
parasitising, *Macrosiphum euphorbiae* 5201
triprene in, toxicity of 5201
- Aphidius picipes**
in Belgium 821
parasitising
Acyrtosiphon dirhodum, in Belgium 821
A. festucae, in Belgium 821
Macrosiphum avenae, in Belgium 821
- Aphidius pisivorus**, parasitising,
Acyrtosiphon pisum, and biological control using, in Europe 3180
- Aphidius platensis** (see also *Aphidius colemani*)
in Kenya 790
parasitising, aphids, in Kenya 790
- Aphidius pulcher**
development in 361
in Canada 361
parasitising, *Acyrtosiphon pisum*, in
British Columbia 361
- Aphidius rosae**
in Bulgaria 1504
parasitising, *Macrosiphum rosae*, in
Bulgaria 1504
- Aphidius smithi**
development in 361, 4224
emergence in, effects of photoperiod on 4224
parasitising
Acyrtosiphon pisum 3473
and biological control using
in British Columbia 361
in Europe 3180
- Aphidius uzbekistanicus**
in Belgium 821
parasitising
Acyrtosiphon dirhodum, in Belgium 821
A. festucae, in Belgium 821
Macrosiphum avenae, in Belgium 821
Rhopalosiphum padi, in Belgium 821
- Aphidoidea**
in Angola 6452
in sugar-beet fields, effects of aphicides on 6165
- Aphidoletes**, preying on, aphids, in Italy 1407
- Aphidoletes aphidimyza**
in USSR 386
in cotton fields, in Tadzhikistan 386
oviposition in, preferred plants for 4110
preying on
Acyrtosiphon dirhodum 3832
A. pisum 3832
aphids
and biological control using 974, 3832
in UK 798
Aphis craccivora 3832
A. fabae 3832
Aulacorthum circumflexum 3832
Macrosiphum avenae 3832
M. euphorbiae 3832

***Aphidoletes aphidimyza* contd.**preying on *contd.**Myzus persicae* 2920, 3832, 4110,
5261

salivary glands in 5261

Aphinin, in *Aphis fabae*, effects of plant
growth regulators on 5143***Aphis***

control of 2958

on potato, in East Germany 2958, 7376

on soy bean

in Egypt 3668

varietal preference of 3668

on Umbelliferae, in Manitoba 7027

pepper veinial mottle virus in, transmission
of 2186

pepper viruses in, transmission of 7477

taxonomy of 7027

Aphis caprifoliae, sp. n., description of
1733***Aphis citricola***

control of, soap sprays for 2110

in Chile 1084

in Italy 6746

in South Korea 1879

in USA 2110

on *Citrus*, in Italy 6746on *Pyracantha*, in California 2110

seasonal abundance of 1879

taxonomy of

Aphis spiraeicola as synonym of 1084treated as synonym of *Toxoptera**citricida* 1084

traps for 1879

Aphis clerodendri

in South Korea 1881

population density of 1881

traps for 1881

Aphis coreopsidis, sowthistle yellow net

virus in, transmission of 458

Aphis craccae

in Turkey 2536

on *Vicia cracca*, in Turkey 2536***Aphis craccivora***

alate production in 1736

bean vein-banding mosaic virus in,
transmission of 2187cardamom mosaic virus in, transmission
of 145celery (western) mosaic virus in,
transmission of 3113

control of

growth regulators for 5299

insecticides for 859, 1451, 1459, 2053,
2945, 3661, 6775

corpus allatum in 4617

cowpea aphid-borne mosaic virus in,
transmission of 2931, 4948, 7061,
7352cowpea banding mosaic virus in,
transmission of 2053***Aphis craccivora* contd.**cowpea necrosis virus in, transmission of
2053

development in

effects of temperature and humidity on
4620effects of temperature and photoperiod
on 4619

feeding behaviour in 1172

effects of alarm pheromone on 7061

food preferences of 503

germaria in 4007

green gram mosaic virus in, transmission
of 860groundnut mottle virus in, transmission of
3119

groundnut rosette virus in

in Uganda 1459

transmission of 1459, 2945, 6325

groundnut stunt virus in, transmission of
867honeydew of, stimulating food-searching
in *Perniphora robusta* 6617

in Australia 1451

in Egypt 3661

in India 145, 503, 1298, 6009, 6775

in Italy 6746

in Malawi 6325

in Nigeria 5609

in Philippines 859

in Poland 1926

in São Tomé 4208

in South Korea 1879

in Uganda 1459, 2945

in USA 3119

in USSR 6792

mung bean yellow mosaic virus in, not
transmitted 4952on *Citrus*, in Italy 6746on *Coronilla* 4619

on cotton, in USSR 6792

on Cruciferae, in Poland 1926

on groundnut

effects of plant density on 6325

effects of sowing date on 6325

in Georgia (USA) 3119

in Malawi 6325

in Mysore 1298

in Nigeria 5609

in Uganda 2945

on legumes, in USSR 6792

on lupin, in USSR 6792

on pea

in India 6775

in New South Wales 1451

on *Phaseolus*, in New South Wales 1451on *Phaseolus aureus*, in Philippines 859on *Vicia faba*, in Egypt 3661

ovarian development in 4617

parthenogenetic forms of 1736

pea mosaic virus in, transmission of 455,
5726

***Aphis craccivora* contd.**

- pepper veinial mottle virus in, transmission of 2186
- pepper viruses in, transmission of 7477
- preyed on by
 - Aphidoletes aphidimyza* 3832
 - Coccinella repanda*, in Mysore 1298
 - C. septempunctata* 1285
 - Coccinellidae, in New South Wales 1451
 - Harmonia axyridis* 787, 1285
 - Menochilus sexmaculatus* 791, 1903, 4778, 7199
 - Metasyrphus confrater*, in Gujarat 6009
- reproduction in 5855
 - effects of temperature and humidity on 4620
 - effects of temperature and photoperiod on 4619
- seasonal abundance of 1879
- sexual forms of 1736
- soy bean mosaic virus in, transmission of 864
- soy-bean stunt virus in, transmission of 6876
- traps for 1879
- Vigna husei* mosaic virus in, transmission of 1327
- zinnia mild mottle virus in, not transmitted 1502

Aphis euonymi

- control of, insecticides for 2053, 4970
- cowpea banding mosaic virus in, transmission of 2053
- cowpea necrosis virus in, transmission of 2053
- in Brazil 4970
- on potato, in Brazil 4970
- triglycerides in 69

Aphis fabae

- Acholeplasma* spp. in, replication of 3109
- apterae of, ant mandibular-gland secretions increasing proportion of 4621
- beet viruses in, transmission 5611
- beet yellows virus in, transmission of 3117
- broad bean stain virus in, not transmitted 5723
- cardamom mosaic virus in, transmission of 145
- control of
 - antibiotics for 1028
 - growth regulators for 3201, 7613
 - insecticides for 1023, 1464, 1661, 1663, 2065, 2664, 2947, 2950, 3201, 3285, 3311, 3958, 3966, 4921, 4936, 5190, 5193-5194, 5600, 5610, 5620, 5773, 6962-6963, 7599-7600
 - JH mimics for 3155

***Aphis fabae* contd.**

- control of *contd.*
 - timing of measures for 4936
- development in
 - effects of phytohormones on 2625
 - effects of temperature on 5896
- dimethoate resistance in 1745
- Echtes Ackerbohlenmosaik virus in, not transmitted 5723
- Entomophthora aphidis* in, in France 5084
- E. fresenii* in, in France 5084
- E. planchoniana* in, in France 5084
- enzymes in 1745
- feeding behaviour in 1172
 - effects of food-plant on 5342
 - effects of insecticides on 5342
- flight activity in 5611
- food-plants of 4936
 - in Czechoslovakia 4921, 7613
 - in East Germany 4524, 4936, 5610-5611, 5620
 - in France 2947, 3958, 5084
 - in India 145
 - in Kenya 3802
 - in Poland 186, 1463-1464, 1926, 2065, 2950-2951, 3311, 4130, 6782, 6927-6928, 7138
 - in Sweden 5600
 - in Switzerland 3155
 - in UK 799, 3679, 3958, 3966, 4352, 7599
- JH mimics in, effects of 3419
- juvenoid resistance in, not found 2444
- life history of 4936
- metepa in, effects on reproductive capacity of 5321
- migration in 2951
- on beet
 - in East Germany 5610-5611
 - in France 2947
- on carrot 7369
- on cauliflower, feeding by 5342
- on *Chenopodium album*, in UK 3966
- on *Commiphora zimmermannii*, in Kenya 3802
- on Cruciferae, in Poland 1926
- on cucumber, feeding by 5342
- on *Euonymus europaeus*
 - in France 5084
 - in UK 3679, 3966
- on ornamental plants, in Poland 186
- on potato
 - feeding by 5342
 - in UK 4352
- on sugar-beet 7600
 - damage caused by 6927
 - distribution pattern of 4524
 - feeding by 5342
 - in Czechoslovakia 4921, 7613
 - in East Germany 4524, 5610, 5620
 - in England 799, 3958

***Aphis fabae* contd.**

- on sugar-beet *contd.*
- in France 3958
- in Poland 1464, 2065, 2950-2951, 3311, 6782, 6927
- in Switzerland 3155
- in UK 3679, 7599
- probing by 2066
- resistance to, evaluation of 2953
- on *Viburnum opulus*, in France 5084
- on *Vicia faba* 1028, 2625, 3285
 - development of 5896
 - effects on insecticides of 3935
 - feeding by 5342
 - forecasting infestations of 3966
 - in East Germany 4936
 - in France 5084
 - in Sweden 5600
 - in UK 3966
 - resistance to 3659
- on *Vicia narbonensis*, resistance to 3659
- parathion resistance in 1745
- passion fruit woodiness virus in, transmission of 3802
- pea mosaic virus in, transmission of 455-456, 5726
- pigments in, effects of plant growth regulators on 5143
- population dynamics of 4524
- preyed on by
 - Aphidoletes aphidimyza* 3832
 - Carabidae, in England 799
 - Coccinella septempunctata* 5195
 - Episyrphus balteatus*, in Poland 186
 - Scaeva pyrastris*, in Poland 186
 - Semiadalia undecimnotata* 2570, 5391
 - Syrphus ribesii*, in Poland 186
- rearing of, diets for 5924
- reproduction in, effects of phytohormones on 2625
- reproductive potential in 85
- seasonal abundance of 4130
- sterilisation of, chemosterilants for 5320
- stylets in, amputation of 2551
- tended by, *Formica fusca* 4621
- thiometon resistance in, in Czechoslovakia 7613
- traps for 3679, 3966
- triglycerides in 69
- turnip mosaic virus in, transmission of 456
- complex of, taxonomy of, characters for 1733

Aphis fabae euonymi (see *A. euonymi*)

Aphis fabae solanella (see *A. solanella*)

Aphis forbesi

- in Bulgaria 1390
- on strawberry, in Bulgaria 1390

Aphis frangulae

- in Bulgaria 1390
- on strawberry, in Bulgaria 1390

***Aphis frangulae* contd.**

- potato virus Y in
- persistence of 5727
- transmission of 5727

Aphis frangulae gossypii (see *A. gossypii*)

Aphis gentianae, in Poland 7144

Aphis glycines

- on soy bean, resistance to 723
- soy-bean stunt virus in, transmission of 6876

Aphis gossypii

- bean common mosaic virus in, transmission of 6878
- bean vein-banding mosaic virus in, transmission of 2187
- biology of 5643, 6792
- cardamom mosaic virus in, transmission of 145
- colour forms in 582
- control of
 - growth regulators for 5299
 - insecticides for 854, 884, 894, 1008, 1451, 1484, 2053, 2087, 2090, 2995, 3179, 3707, 3971, 4358, 4361, 4934, 4982, 5620, 5643, 6188
 - plant extracts for 2976
 - soap sprays for 2110
- cowpea aphid-borne mosaic virus in, transmission of 7352
- cowpea banding mosaic virus in, transmission of 2053
- cowpea necrosis virus in, transmission of 2053
- cucumber mosaic virus in, transmission of 3122
- dasheen mosaic virus in, transmission of 1472
- datura enation mosaic virus in, transmission of 907
- dimethoate resistance in 3289
- Entomophthora aphidis* in, and biological control using, in China 6884
- feeding behaviour in 1172
- effects of food-plant on 5342
- effects of insecticides on 5342
- food-plants of 6449
- green gram mosaic virus in, transmission of 860
- in Argentina 4361
- in Australia 1451
- in Bulgaria 1194
- in China 6884
- in Cyprus 3971
- in East Germany 5620
- in Egypt 178, 395, 3690, 3707, 3715-3716, 4358, 4360, 4776, 5506
- in India 145, 582, 854, 884, 894, 907, 1439, 1484, 2037, 2113, 2976, 3558, 5233, 6188, 6449
- in Italy 6746
- in Kenya 3802
- in Mexico 3699

***Aphis gossypii* contd.**

- in Nigeria 2087
- in Peru 176
- in Philippines 711
- in São Tomé 4208
- in Solomon Islands 1472
- in South Korea 1879, 1881
- in Thailand 3179
- in USA 2110
- in USSR 5643, 6354, 6792
- in Venezuela 2091
- in Zambia 4982
- insecticide susceptibility in, effects of food-plant on 4934
- lily symptomless virus in, transmission of 943
- morphology of, effects of food-plant on 2373
- mung bean yellow mosaic virus in, not transmitted 4952
- on *Agave angustifolia*, in Tamil Nadu 2113
- on *Capsicum frutescens*, in Tamil Nadu 582
- on *Carica papaya* 2036
- on cauliflower, feeding by 5342
- on *Citrus*, in Italy 6746
- on *Colocasia esculenta*, in Solomon Islands 1472
- on *Commiphora zimmermannii*, in Kenya 3802
- on cotton 2090, 2373, 2995
 - damage caused by 5643
 - effects of fertilizers on 3715
 - effects of inorganic nitrogen on 395
 - effects of irrigation on 3715
 - effects of plant spacing on 3716
 - effects of sowing date on 3716
 - effects of water shortage on 1815
 - in Argentina 4361
 - in Azerbaijan 5643
 - in China 6884
 - in Egypt 178, 395, 3707, 3715–3716, 4358, 4360, 5506
 - in Mexico 3699
 - in Nigeria 2087
 - in Punjab 1484, 6188
 - in Tamil Nadu 582, 894
 - in Thailand 3179
 - in USSR 6792
 - in Venezuela 2091
 - in Zambia 4982
- on cucumber
 - feeding by 5342
 - in East Germany 5620
 - in Russian Republic 6354
- on *Cucurbita citrullus* 2373
- on eggplant
 - in Egypt 3690
 - in Kerala 2976
 - in Rajasthan 884
 - in Tamil Nadu 582

***Aphis gossypii* contd.**

- on *Euphorbia*, in São Tomé 4208
- on guava, in Tamil Nadu 582
- on melon, resistance to 3656
- on okra
 - feeding preferences of 1439
 - in Cyprus 3971
 - in Egypt 178, 4776
 - in Tamil Nadu 582, 854, 1439, 2037
- on pea, in New South Wales 1451
- on *Phaseolus*, in New South Wales 1451
- on potato, feeding by 5342
- on *Pyracantha*, in California 2110
- on *Rubus*, in Jammu and Kashmir 5233
- on sugar-beet, feeding by 5342
- on tomato
 - in Rajasthan 3558
 - in Russian Republic 6354
- on *Vicia faba*, feeding by 5342
- on weeds, in Tamil Nadu 582
- papaw mosaic virus in, transmission of 2036
- parasites of 3656
- parasitised by
 - Trioxys basicurvus*, in Jammu and Kashmir 5233
 - T. rubicola*, in Jammu and Kashmir 5233
- passion fruit woodiness virus in, transmission of 3802
- pea mosaic virus in, transmission of 455
- pepper vein mottle virus in, transmission of 2186
- pepper viruses in, transmission of 7477
- phosfolan in, bioassay for 6186
- population density of 1881
- population growth in, effects of irrigation on 1194
- predators of 3656
 - competition between 4360
- preyed on by
 - Cheilomenes lunata*, in Nigeria 2087
 - Chrysopa carnea*
 - and biological control using, in Russian Republic 6354
 - in Egypt 4360
 - Coccinella undecimpunctata*, in Egypt 4360
 - Coccinellidae, in New South Wales 1451
 - Geocoris jucundus*, in Rajasthan 3558
 - Ischiodon aegyptius* 4775
 - Menochilus sexmaculatus* 791, 1903, 4778, 7199
 - Metasyrphus corollae* 7207
 - Paederus alfieri*, in Egypt 5506
 - Scymnus interruptus*, in Egypt 178, 4360
 - Sphaerophoria rueppellii*, in Egypt 4776
 - S. scripta* 7207
 - spiders, in Nigeria 2087

***Aphis gossypii* contd.**

- reproduction in, effects of insecticides on 894
- seasonal abundance of 1879, 3690, 3699
- sexual forms of 711
- soy bean mosaic virus in, transmission of 864
- traps for 711, 1879, 1881

Aphis heraclella

- in Canada 7027
- on parsnip, in Manitoba 7027

Aphis laburni* auct. (see *A. craccivora*)**Aphis maidis* (see *Rhopalosiphum*)*****Aphis malvae* (see *A. umbrella*)*****Aphis medicaginis* auct. (see *A. craccivora*)*****Aphis nasturtii***

- celery (western) mosaic virus in, transmission of 3113
- control of, cultural measures for 3681
- feeding behaviour in 1172
- in Bulgaria 383
- in Poland 1926
- in Switzerland 2071
- in UK 4352
- in USA 878, 2968, 3680-3681
- on *Capsicum*, in Bulgaria 383
- on Cruciferae, in Poland 1926
- on potato
 - in Maine 878, 2968, 3680-3681
 - in Switzerland 2071
 - in UK 4352
- parasitised by
 - Aphidius matricariae*, in Bulgaria 383
 - Braconidae, and biological control using, in Maine 2968
- potato leaf roll virus in
 - in Maine 3680-3681
 - transmission of 3680-3681
- potato paracrinkle virus in, transmission of 6786
- potato virus Y in
 - persistence of 5727
 - transmission of 5727, 6786
- predators of, in Maine 878

Aphis nerii

- cardamom mosaic virus in, transmission of 145
- in Egypt 178
- in India 145
- on *Nerium oleander*, in Egypt 178
- preyed on by
 - Cybocephalus micans* 2721
 - Scymnus interruptus*, in Egypt 178
- soy bean mosaic virus in, transmission of 864

Aphis newtoni*, rearing of, diets for 5924**Aphis oenotherae***

- biology of 3723
- in East Germany 3723
- in USA 3723
- on *Epilobium angustifolium*, in USA 3723

***Aphis oenotherae* contd.**

- on *Oenothera biennis*
 - in East Germany 3723
 - in USA 3723
- on Oenotheraceae, development of 3723

Aphis pomi

- biology of 325
- control of, insecticides for 325, 1417-1418, 6375
- Entomophthora aphidis* in, pathogenicity of 6884
- in Bulgaria 1417
- in Italy 6375
- in Poland 186, 322
- in Switzerland 3626
- in USA 1418
- in USSR 325
- on apple
 - in Bulgaria 1417
 - in Italy 6375
 - in Ohio 1418
 - in Poland 322
 - in Switzerland 3626
 - in Ukraine 325
- on ornamental plants, in Poland 186
- parasitised by
 - Ephedrus plagiator*, in Poland 322
 - Praon volucre*, in Poland 322
 - Trioxys angelicae*, in Poland 322
- population dynamics of 3626
- preyed on by, *Episyrphus balteatus*, in Poland 186
- rearing of, diets for 5924

Aphis punicae

- in Egypt 178
- on *Duranta*, in Egypt 178
- preyed on by
 - Scymnus interruptus* 179
 - in Egypt 178

Aphis rumicis* auct. (see *A. fabae*)**Aphis sambuci***

- in Poland 186
- on ornamental plants, in Poland 186
- preyed on by
 - Episyrphus balteatus*, in Poland 186
 - Scaeva pyrastris*, in Poland 186
 - Syrphus vitripennis*, in Poland 186
- rearing of, diets for 5924

Aphis solanella

- biology of 1438
- control of, insecticides for 1438
- in Italy 1438
- in Kenya 3802
- in Tanzania 5918
- on globe artichoke, in Italy 1438
- on *Passiflora ligularis*, in Kenya 3802
- zinnia mild mottle virus in, not transmitted 1502

Aphis spiraeicola

- Entomophthora* spp. in 962
- in Peru 176

- Aphis spiraeicola* contd.**
 - taxonomy of, synonym of *A. citricola* 1084
- Aphis spiraephaga***
 in Poland 186
 on ornamental plants, in Poland 186
 preyed on by, *Episyrrhus balteatus*, in Poland 186
- Aphis tremulae***, taxonomy of, transferred to *Pachypappa* 4597
- Aphis umbrellae***, preyed on by, *Menochilus sexmaculatus* 791, 1903
- Aphis veratri***
 in Philippines 711
 on *Veratrum malayanum*, in Philippines 711
 sexual forms of 711
 traps for 711
- Aphis verbasci***
 in Egypt 178
 in Portugal 4207
 on *Buddleja asiatica*, in Egypt 178
 preyed on by, *Scymnus interruptus*, in Egypt 178
- Aphodius tasmaniae***
 attractants for 4584
 control of, insecticides for 4879
Entomopoxvirus spp. in
 in Tasmania 1596
 properties of 1597
 in Australia 1596, 4879
 in New Zealand 4584
 in pastures, in South Australia 4879
 RNA virus in, effects of 3134
- apholate** (2,2,4,4,6,6-hexakis(1-aziridinyl)-2,2,4,4,6,6-hexahydro-1,3,5,2,4,6-triazatriphosphorine)
 in *Anthonomus grandis*, effects on sex pheromone production of 4686
 in *Dysdercus koenigii*, effects on development of 3239
 in *Tetranychus urticae*, effects of 78
 sterilant for
Callosobruchus chinensis 3436
Ephestia cautella 4089
Laodelphax striatella 3436
Nephotettix cincticeps 3436
Tetranychus urticae 78
- Aphrodes***
 in Nearctic region 3984
 taxonomy of 3984
- Aphrodes bicinctus***, clover phyllody, causal agent in, transmission of 3607
- Aphrodina***
 in Nearctic region 3984
 taxonomy of 3984
- Aphrodinae***
 in New Zealand 1086
 taxonomy of 19
- Aphrodini***, taxonomy of 3984
- Aphrodisiacs***, in *Mamestra brassicae* males 6148
- Aphrodisium thomsoni***
 in Taiwan 4305
 on *Castanea*, in Taiwan 4305
 taxonomy of
Chloridolum loochooanum taiwanum as synonym of 4305
 transferred from *Chloridolum* 4305
- Aphrophora saratogensis***
 egg-hatch in 2125
 in USA 2125
 on *Pinus resinosa*, in Michigan 2125
- Aphthona euphorbiae***
 feeding behaviour in, effects of microclimate on 5637
 in East Germany 5637
 on flax, in East Germany 5637
- Aphthona gruszkorum***
 sp. n., description of 4611
 in Bulgaria 4611
- Aphyculus antoninae***
 sp. nov., description of 550
 in USSR 550
 parasitising, *Antonina crawi*, in Kurile Islands 550
- Aphycus maculipes***
 in Canada 6095
 parasitising, *Eulecanium tiliae*, in British Columbia 6095
- Aphycus punctipes***
 in Lebanon 4895
 parasitising, *Didesmococcus unifasciatus*, in Lebanon 4895
- Aphytis***
 distribution of 5097
 oviposition in 92
 parasitising
Aonidiella aurantii 5097
Lepidosaphes beckii 5097
Parlatoria blanchardii 5097
P. pergandii 5097
Quadraspidiotus macroporatus, in Japan 785
Q. perniciosus 5097
 in Krasnodar 5457
Unaspis yanonensis, in Japan 5101
 taxonomy of 5097
- Aphytis africanus***
 in South Africa 5956
 parasitising, *Aonidiella aurantii*, in South Africa 5956
- Aphytis aonidiiae***
 descriptions of 7208
 in Bulgaria 7208
 parasitising, *Quadraspidiotus* spp., in Bulgaria 7208
- Aphytis chilensis***
 biology of 5102
 in Italy 5102, 6136
 parasitising
Aspidiotus nerii
 in Italy 5102
 in Sicily 6136

***Aphytis chilensis* contd.**

parasitising contd.

Chrysomphalus dictyospermi, in Italy 5102

parathion in, toxicity of 6136–6137

rearing of, techniques for 5102

Aphytis chrysomphali

gonads in 1111

in Egypt 1381

in Greece 5103

oviposition in 92

parasitising

Aonidiella aurantii 92*Aspidiotus nerii* 92*Diaspis echinocacti* 92*Mycetaspis personata*, in Egypt 1381taxonomy of, characters distinguishing *A. roseni* and 1098***Aphytis ciliatus***, taxonomy of, characters distinguishing *A. roseni* and 1098***Aphytis cochereaui***

biology of 4798

in New Caledonia 4798

parasitising, *Lepidosaphes beckii*, in New Caledonia 4798***Aphytis hispanicus***

descriptions of 7208

in Bulgaria 7208

in Morocco 6126

parasitising

Parlatoria pergandii, in Morocco 6126*Quadraspidotus* spp., in Bulgaria 7208***Aphytis holoxanthus***

in Taiwan 3636

parasitising, *Chrysomphalus aonidum*, in Taiwan 3636***Aphytis lepidosaphes***

development in 6134

parasitising

Lepidosaphes beckii

and biological control using

in France 6127, 6134

in Texas 4324

Aphytis lingnanensis

in Hong Kong 5581

parasitising

Aspidiotus nerii, and biological control using 5107*Unaspis citri* 5581*U. yanonensis*, and biological control using, in Japan 5581***Aphytis maculicornis***

hybridisation in 5828

sex pheromone of 5264

taxonomy of 5828

Aphytis melinus

biology of 1386

gonads in 1111

in Morocco 5110

in Pakistan 1386

in Turkey 5104

malathion in, toxicity of 2898

***Aphytis melinus* contd.**

nutrient sprays in, toxicity of 2898

oil emulsions in, toxicity of 2898

oviposition in 92

parasitising

Aonidiella spp., and biological control using, in Morocco 5107*A. aurantii* 92

and biological control using

in Greece 5103

in Morocco 5110

in South Africa 5956

in South Australia 2898, 3639, 5577

in Pakistan 1386

in Turkey 5104

A. citrina

in Pakistan 1386

in Turkey 5104

A. orientalis, in Pakistan 1386*Aspidiotus destructor*, in Pakistan 1386*A. nerii* 92*Chrysomphalus dictyospermi*

and biological control using, in Greece 5103

in Turkey 5104

Diaspis echinocacti 92

rearing of, techniques for 3639

Aphytis mytilaspidis

biology of 7208

descriptions of 7208

in Bulgaria 7208

in Canada 1513

parasitising

Lepidosaphes populi, in Bulgaria 7208*L. ulmi*, in Bulgaria 7208*Phenacaspis pinifoliae*, in Quebec 1513*Quadraspidotus* spp., in Bulgaria 7208

sex pheromone of 5264

Aphytis proclia

biology of 7208

descriptions of 7208

in Bulgaria 7208

in Portugal 4311

in USSR 5457

parasitising

Lepidosaphes populi, in Bulgaria 7208*L. ulmi*, in Bulgaria 7208*Quadraspidotus* spp., in Bulgaria 7208*Q. perniciosus*

in Krasnodar 5457

in Portugal 4311

Aphytis roseni

sp. n., description of 1098

in Uganda 1098

parasitising

Selenaspis articulatus

and biological control using, in Peru 1098

in Uganda 1098

apicalis*, *Acantholyda

- apicalis*, *Nephotettix*
apicalis, *Stenocoris*, (*Leptocoris*)
apicalis, *Trioza*
apicatus, *Oedothorax*
apicifer, *Archytas*
Apicotermes tragardi, in southern Africa 4230
Apidae
 on sugar-beet
 in England 4345
 pollination by 4345
apiifolia, *Dysaphis*
Apiomerus crassipes crassipes
 in USA 1867
 preying on
 Diabrotica undecimpunctata 1867
 Pogonomyrmex badius, in Florida 1867
Apion
 control of 4298
 in Poland 2677
 in Ukraine 7182
 on *Trifolium pratense*, in East Germany 4298
 overwintering in 2677
Apion aestivum (see *A. trifolii*)
Apion anthonomoides
 sp. nov., description of 1090
 in Ghana 1090
 on *Triplochiton scleroxylon*, in Ghana 1090
Apion antiquum
 in South Africa 4241
 on buckwheat, feeding by 4241
 on *Emex australis*
 and biological control using, in Hawaii 4241
 in South Africa 4241
 on *Emex spinosa*, development of 4241
 on *Polygonum lapathifolium*, feeding by 4241
 on rhubarb, feeding by 4241
 on *Rumex brownii*, development of 4241
Apion apricans
 biology of 841
 control of 4298
 descriptions of 842
 distribution of 841
 in East Germany 4298
 in Poland 6769
 in Romania 842-843
 in USSR 6013
 on *Trifolium pratense*
 in East Germany 4298
 in Europe 841
 in Poland 6769
 in Romania 842-843
 in USSR 6013
 parasitised by
 Spintherus linearis, in Europe 841
 Triaspis caudatus, in Europe 841
 population dynamics of 843
Apion apricans contd.
 preyed on by, *Lestodiplosis pallidicornis*, in USSR 6013
Apion assimile
 biology of 841
 distribution of 841
 on *Trifolium pratense*, in Europe 841
 parasitised by
 Spintherus linearis, in Europe 841
 Triaspis caudatus, in Europe 841
Apion brunneonigrum
 food-plant specificity in 1325
 in Trinidad and Tobago 1325
 on *Aster* 1325
 on *Eupatorium vivaefolium*, in Trinidad 1325
 on *Eupatorium odoratum*, in Trinidad 1325
Apion dichroum
 biology of 841
 distribution of 841
 on *Trifolium pratense*, in Europe 841
 parasitised by
 Spintherus linearis, in Europe 841
 Triaspis caudatus, in Europe 841
Apion elongatum
 food-plants of 7182
 in USSR 7182
Apion ghanaense
 sp. nov., description of 1090
 in Ghana 1090
 on *Triplochiton scleroxylon*, in Ghana 1090
Apion holosericeum
 food-plants of 7182
 in USSR 7182
Apion minimum
 food-plants of 7182
 in USSR 7182
Apion seniculum
 in Bulgaria 1194
 population growth in, effects of irrigation on 1194
Apion simile
 food-plants of 7182
 in USSR 7182
Apion trifolii
 biology of 841
 control of 4298
 descriptions of 842
 distribution of 841
 in East Germany 4298
 in Romania 842-843
 on *Trifolium pratense*
 in East Germany 4298
 in Europe 841
 in Romania 842-843
 parasitised by
 Spintherus linearis, in Europe 841
 Triaspis caudatus, in Europe 841
 population dynamics of 843

Apion virens

- control of 4298
- in East Germany 4298
- on *Trifolium pratense*, in East Germany 4298

Apion vorax

- broad bean stain virus in, transmission of 5723
- Echtes Ackerbohnenmosaik virus in, transmission of 5723
- in UK 5723
- on *Vicia faba*, in England 5723

Apiosordaria verruculosa*, in, *Plecia nearctica*, in Florida 3132**Apis*, on *Ziziphus mauritiana*, pollination by 7181*****Apis cerana***

- in Taiwan 4745
- insecticides in, toxicity of 7672
- Macrochelidae on, in Taiwan 4745
- Neocypholaelaps indica* on, in Taiwan 4745
- parasitised by, *Neocypholaelaps indica* 180

Apis cerana indica

- amino acids in haemolymph of 1753
- in India 4792
- in Thailand 2729
- parasitised by
 - Acarapis woodi*, in Himachal Pradesh 4792
 - Neocypholaelaps ampulla* 180
 - Varroa jacobsoni* 180
 - in Thailand 2729

Apis dorsata*, parasitised by, *Tropilaelaps clareae* 180**Apis indica* (see *A. cerana indica*)*****Apis mellifera***

- Agrotis segetum* granulosis virus in, effects of 3819
- amitraz in, toxicity of 3957
- apparatus for collecting 6578
- attraction of, by wasp attractants 3210
- carbaryl in, toxicity of 1480, 5807
- chlorfenvinphos in, toxicity of 1480
- diapause in, role of hormones in 2437
- digestive enzymes in, detoxification of
 - Bacillus thuringiensis* exotoxin by 1595
- dimethoate in, toxicity of 2308
- enzymes in 6481
- farnesane derivatives in, growth-regulator activity of 6939
- fenitrothion in, toxicity of 1480
- food of, in Austria 2296
- foraging flight of 6596
- growth regulators in, effects of 6977
- homing flight of 6596
- in East Germany 2308
- in Israel 1376
- in Taiwan 4745
- in Thailand 2729

***Apis mellifera* contd.**

- in UK 4345, 7602
 - in USA 761, 3210, 3319
 - in orchards, protection from pesticides of 7676
 - insecticides in, toxicity of 517, 524, 1043, 3319, 6415, 7602
 - Macrochelidae on, in Taiwan 4745
 - metamorphosis in, role of hormones in 2437
 - mevinphos in, toxicity of 4567
 - monocrotophos in, toxicity of 5807
 - Neocypholaelaps indica* on, in Taiwan 4745
 - non-occluded virus in, causing hairless-black syndrome 6900
 - Nosema apis* in, effects on oxygen consumption of 5075
 - on cranberry, as pollinator 3319
 - on *Lotus corniculatus* 524
 - on lucerne, as pollinator 1376, 3319
 - on rape, in England 7602
 - on sugar-beet, in England 4345
 - oxydemeton-methyl in, toxicity of 1698
 - parasitised by
 - Acarapis woodi*
 - in Crimea 2702
 - in Ukraine 2701
 - Neocypholaelaps africana* 180
 - N. indica* 180
 - N. novaehollandiae* 180
 - Varroa jacobsoni* 180
 - in Taiwan 4745
 - in Thailand 2729
 - pesticides in
 - effects of 7561
 - toxicity of 5954
 - pests of, in South Africa 5954
 - Plusia californica* nuclear polyhedrosis virus in, not pathogenic 2700
 - polymorphism in, role of hormones in 2437
 - repellents for 760–761
 - Tachinid larviposition stimulant not found in 784
 - tolylfluand in, toxicity of 1698
- Apis mellifica* (see *A. mellifera*)**
- Apium graveolens* (see *Celery*)**
- apivorus*, *Rondaniooestrus***
- Aplomya caesar***
- in USA 5437, 5508
 - parasitising
 - Choristoneura fumiferana*, in Maine 5437
 - Ostrinia nubilalis*, in Massachusetts 5508
- Apoda avellana***
- in Norway 5373
 - on *Fagus*, in Norway 5373
 - on *Prunus spinosa*, in Norway 5373
 - on *Quercus*, in Norway 5373

Apodemus sylvaticus

- dieldrin in, residues of 1060
- in wheat fields, in UK 1060
- mercury in, residues of 1060
- on sugar-beet, in England 7598

Apodiphus amygdali

- in Iran 3808

Nematospora coryli in, in Iran 3808

Apogonia

- on grapevine, in Punjab 4887
- on *Phaseolus aureus*, in Malaysia 861

Apogonia ferruginea 4887***Apogonia uniformis***

- in India 2114
- on *Grewia asiatica*, in Punjab 2114

Apoidea

- acephate in, toxicity of 2657
- butocarboxim in, toxicity of 2659
- enzymes in 2398
- insecticides in, repellent effects of 4312
- methamidophos in, toxicity of 2657
- phosalone in, toxicity of 840

Apomecyna neglecta (see *A. saltator*)***Apomecyna saltator***

- in India 7344
- on *Trichosanthes dioica*, in Gujarat 7344

Aponychus, in Thailand 3174***Aporia crataegi***

- biology of 5551, 7304
- control of
 - Bacillus thuringiensis* for 5551
 - collection and destruction for 7304
 - insecticides for 5551, 5568
 - nest collection for 5568
 - nest destruction for 5551
- descriptions of 7304
- in USSR 5551, 5568, 6103, 6344, 7304
- nuclear polyhedrosis virus in, in Ukraine 6344
- on apple
 - assessing infestations of 5568
 - damage caused by 5568
 - in Ukraine 5568
 - in USSR 7304
- on *Crataegus*, in USSR 7304
- on fruit trees, in USSR 5551
- on pear, in USSR 7304
- parasitised by, *Apanteles glomeratus*, in Georgia (USSR) 6103
- Pleistophora carpocapsae* in, not infective 2182

Apparatus

- activity recorder discriminating by
 - direction and size 3483
- aircraft navigational systems for limited spraying against *Locusta migratoria* 3164
- aspirator for catching insects 6570
- automatic insecticide spray for protection of stored products 501
- automatic light-dimming system for environmental chambers 4718

Apparatus contd.

- automatic recording flight mill system 4699
- bait dispenser for pheromone traps 131
- battery-powered vacuum apparatus for collecting insects 6578
- cage for rearing small active arthropods 4165
- cages for grasshoppers 1859
- extraction-counting chamber for Thysanoptera 4164
- for applying insecticides to root zone of rice 7258
- for automated pesticide residue analysis 3883
- for baiting traps with candidate pheromones 4048
- for collecting *Anystis* on trees 5472
- for collecting arthropods 6571
- for detecting insects in agricultural commodities 7465
- for investigating insect flight 4717
- for manipulating insects under binocular microscope 7147
- for producing wheat seedlings 5934
- for rearing insects 6582
- for rearing moths 6580
- for recording oviposition in insects 630
- for recording pulsation of dorsal vessel in intact insects 4157
- for recording tunnelling activity of *Tribolium castaneum* in flour 4729
- for registering flight frequencies of insects 6540
- for sampling insects in pastures 5935
- for sterilising aphids in the field 3241
- for studying feeding in whiteflies 4167
- for treating twigs with insecticides 129
- jump net for capture of grasshoppers 1833
- microscope graticule for estimation of spray droplet size 3485
- model ecosystem for testing pesticides 5771
- model ecosystems 7642
- multi-point event recorder for study of insect behaviour 2541
- nets for collecting insects in tree crowns 7159
- olfactometer for study of sexual behaviour of Lepidoptera 1839
- photoperiod chamber 6558
- pivot actograph for study of activity of moths 1162-1163
- rodent-rearing containers for rearing and observation of insects 4175
- solid-state light-intensity controller 5379
- Tullgren funnel for collecting Thysanoptera 4164
- Tullgren funnel for extraction of larvae from grain and flour samples 657

Apparatus contd.

- Tullgren funnels for extraction of
arthropods from soil 2576

Apple

- Aculus schlechtendali* on
distribution pattern of 6728
effects of fungicides on 2013
in East Germany 2013
in New York 6728
Adoxophyes orana on
assessing infestations of 3631
in Hungary 4211
in Japan 786, 3147, 3842
in Netherlands 3631, 4903, 7617
Aegeria pictipes on, rearing of 1845
Ancylis achatana on, in Hungary 4211
Anthonomus pomorum on 6613
damage caused by 6928
in Poland 6928

aphids on

- in Switzerland 3626
in Ukraine 325
in West Germany 6111

Aphis pomi on

- in Bulgaria 1417
in Ohio 1418
in Poland 322

Aporia crataegi on

- in Ukraine 5568
in USSR 7304

Archips podanus on

- in Hungary 4211
in Northern Ireland 5978

Argyresthia conjugella on

- forecasting infestations of 5564
in Norway 5564

Argyrotaenia velutinana on

- in New York 2884, 4636
in USA 4589

arthropod pests of

- in North America 6730
in UK 545

Blastodacna atra on

- in Hungary 2012
in USSR 6113

Bryobia spp. on, in New South Wales
4310*B. rubrioculus* on

- effects of insecticides on 2869
in Australia 2869
in Romania 847

Byctiscus betulae on

- damage caused by 6724
in Caucasus 6724

Campylomma livida on, in Australia
6109*Cenopalpus pulcher* on, in Egypt 3442
chlordimeform in, residues of 529*Choristoneura rosaceana* on, in New York
2884*Conotrachelus nenuphar* on, in Quebec
7312**Apple contd.***Cydia* spp. on, in New York 2884*C. pomonella* on 7317, 7554

- assessing infestations of 3874
damage caused by 5567, 6928
development of 4308, 5761
forecasting infestations of 2881, 5558

in Australia 6731

in Austria 2089, 3251

in British Columbia 1197, 2872, 2880,
4904, 6114, 7309in Bulgaria 538, 1417, 3622,
3624–3625, 5550, 7539

in California 3610, 5843

in Crimea 324, 1416, 5444, 6104

in England 796

in France 3623, 3874, 6732, 7551

in Hungary 3250

in Israel 4907

in Kazakhstan 6020

in Moldavia 6105

in New South Wales 5567, 6722

in New Zealand 1423, 2015–2016,
2270

in Ontario 6115

in Poland 527, 3318, 6928

in Siberia 7315

in South Africa 5946

in Switzerland 2881, 3627–3628, 5558

in Transbaikalia 6723

in Ukraine 6107, 6621

in USSR 5556, 5565, 5761, 6727

in Uzbekistan 6108

in Washington 1221, 2530, 2877, 3224,
7303

in West Germany 6111–6112

C. prunivora on, in Quebec 4309

cyhexatin in, determination of 122

Dasineura mali on

damage caused by 5563

in Yugoslavia 5563

DDD in, effects of 4312

DDT in, residues of 538

diflubenzuron in, persistence of 6725

diseases of, in East Germany 1419

Dysaphis devectora on

damage caused by 6106

in USSR 6106

leaf-roll galls of 5566

resistance to 6106

D. plantaginea on

in Poland 322

in West Germany 6111

leaf-roll galls of 5566

Enarmonia formosana on, in East
Germany 2866*Epiphyas postvittana* on

damage caused by 5567

in Australia 6731

in New South Wales 5567

in New Zealand 2270

in Victoria 4899–4900, 6100

Apple contd.

- Eriophyes malinus* on, in West Germany 6111
- Eriophyidae on, in New South Wales 4310, 5561
- Eulecanium bituberculatum* on damage caused by 5570
in USSR 5570
- E. rugulosum* on, in Kazakhstan 7004
- E. tiliae* on
in British Columbia 6211
in Himachal Pradesh 2873
- Euproctis similis* on
in Ukraine 5568
in Yugoslavia 5739
- extracts of, *Lymantria dispar* feeding responses to 4112
- fenthion in, residues of 527, 3318
- Hedya nubiferana* on, in Hungary 2012, 4211
- Heterocordylus malinus* on, in USA 2014
- Hoplocampa testudinea* on
in Byelorussia 6010
in UK 3165
- insect damage to, effects on photosynthesis of 7313
- insect pests of
in Finland 6592
in Quebec 5533-5534
- insecticides in, residues of 6110
- leaf-mining moths on, in Crimea 324
- Lepidoptera on 7687
in Hungary 4307
- Lepidosaphes ulmi* on, in Ukraine 6721
- Leucoptera scitella* on
in Bulgaria 5559
in Italy 7553
- Lygidea mendax* on, in USA 2014
- Lygus lineolaris* on 3931
in Quebec 4314
- Melolontha* spp. on damage caused by 7163
in Austria 7163
- methidathion in, toxicity of 7312
- methoxychlor in, effects of 4312
- Noctuidae on
in New York 2865
in Ohio 323
- Operophtera brumata* on
in Nova Scotia 6725
in Poland 2875
in West Germany 6111
- Pandemis cerasana* on, in Hungary 4211
- P. heparana* on, in Hungary 4211
- P. limitata* on, in New York 2884
- Panonychus ulmi* on
assessing infestations of 3629
distribution pattern of 1232
effects of fungicides on 2013
effects of pesticides on 7562
in British Columbia 6101, 7309

Apple contd.

- Panonychus ulmi* on contd.
in Bulgaria 1417, 5550
in East Germany 2013
in England 797, 2289, 5569, 7516
in France 7551
in Illinois 4017
in Indiana 3629
in Iran 6547
in Italy 4185
in Netherlands 4512, 7617
in New South Wales 5561
in New York 6728
in New Zealand 2270
in Nova Scotia 1232, 2870
in Pennsylvania 329
in Quebec 2882, 4313
in Romania 847
in South Africa 5949
in UK 3165
in West Germany 1609
in Yugoslavia 5547
- Peridroma saucia* on, in North Carolina 330
- pest control on 1616-1617, 3165, 7285
in Bulgaria 7539
in Canada 7543
in Chile 7544
in France 7535, 7563
in Italy 6375, 7538
in Netherlands 7536
in New Zealand 1421
in North Carolina 7541
in Spain 7537
in West Germany 7533
integrated 1417, 1421, 4514
low dose sprays for 7526
overhead mobile spraying for 5569
side-effects of 1604
ULV sprays for 7508, 7513, 7516
- pest management on 6730
in British Columbia 2871
- pesticides in, effects of 7562
- pests of
damage caused by 7310
effects of clean cultivation on 6111
identification of 7310
in East Germany 1419
in Michigan 7502
in Netherlands 327
- Phyllonorycter blancardella* on
in Bulgaria 5559
in Israel 4901, 4906
in Italy 7553
- P. corylifoliella* on
in Bulgaria 5559
in Netherlands 6719
- P. pyrifoliella* on, in Russian Republic 6726
- Phytomyza heringiana* on, in Bulgaria 1414

Apple contd.

Podosphaera leucotricha in, in England
7516

Psylla mali on

damage caused by 6928
in England 5569, 7508, 7513
in Poland 6928
in UK 3165

Quadraspidiotus perniciosus on

in British Columbia 3859
in Himachal Pradesh 328
in New Zealand 2270
in Portugal 4311
in USSR 5552, 7125
in West Germany 6086

resistance to 5552

quinalphos in, residues of 1042

Recurvaria leucateella on, in Hungary
2012, 4211

R. nanella on

in Crimea 6099
in Hungary 4211

Rhagoletis pomonella on

assessing infestations of 1420
damage caused by 6729
fecundity of 2483
in Canada 6729
in Indiana 3621
in New York 2876, 2879
in Nova Scotia 1420
in Ontario 1420
in Quebec 1420

Rhopalosiphum insertum on, in England

5569, 7508, 7513, 7526

Spilota ocellana on, in Hungary 2012,
4211

Stigmella malella on

in Bulgaria 1417, 5559
in Caucasus 6116
in Italy 7553
in Netherlands 7536, 7617

Synanthedon myopaeformis on, in West
Germany 2874

S. tipuliformis on, rearing of 6741

Tetranychidae on

effects of pesticides on 2011
in Missouri 4803, 5562
in Poland 2011

Tetranychus cinnabarinus on, in South
Africa 5949

T. mcdanieli on 2554

T. urticae on

effects of insecticides on 2869
effects on photosynthesis of 2878
in Australia 2869, 6109
in East Germany 3166
in New South Wales 4310, 5560–5561,
5567

T. viennensis on

damage caused by 6547
in Iran 6547
in Romania 847

Apple contd.

Thrips imaginis on, in New South Wales
4312

thrips on, in Australia 6109

Tortricidae on

in Europe 7552
in Poland 4306
in Switzerland 3626

Tydeidae on, in New South Wales 4310,
5561

Venturia inaequalis in, in Austria 2089

Xyleborus dispar on, in Austria 1415

X. saxeseni on, in Austria 1415

Yponomeuta padellus on, in Uzbekistan
6019

Zeuzera pyrina on, in Crimea 5997

Apple canker (see also *Nectria galligena*)

Apple, crab (see *Malus sylvestris*)

Apple mildew (see *Podosphaera leucotricha*)

Apple orchards

Aculus schlechtendali in, in British
Columbia 7309

Amblyseius fallacis in, in Michigan 5557

A. finlandicus in, in East Germany 2013

arthropods in

identification of 7314
monitoring of 7314

Carabidae in, in Quebec 326

Coccinellidae in, in Finland 3546

DDT in, residues of 538, 2315, 6964

insects in, in France 3630

Magicicada spp. in, in Ohio 7165

Metaseiulus occidentalis in, in British
Columbia 7309

mites in

effects of fungicides on 2013
effects of insecticides on 2869

parasites in, effects of pesticides on 5559

Phytoseiidae in

effects of pesticides on 2011, 5560,
7311

in New South Wales 5560

in Poland 2011

in Wisconsin 7311

Phytoseius fotheringhamiae in, in New
South Wales 4310

predatory arthropods in

in Missouri 4803
in Ontario 6115

sprays in, evaluation of 3952

Trichogramma spp. in, effects of
insecticides on 5444

Zetzellia mali in, in East Germany 2013

Apple, rose (see *Syzygium jambas*)

Apple scab (see *Venturia inaequalis*)

Apple, sodom (see *Solanum sodomaeum*)

Apple (stored fruit)

1,2-dibromoethane in, residues of 1057

Epiphyas postvittana in
damage caused by 1569
in Australia 1569

- Apple (stored fruit) contd.**
Quadraspidiotus perniciosus in, in British Columbia 500
- Apple, wild** (see *Malus sylvestris*)
- approximata, Atherigona**
- apricans, Apion**
- apricaria, Amara**
- apricarius, Chorthippus**
- Apricot (*Prunus armeniaca*)**
Anarsia lineatella on, imported into Austria 6588
Anastrepha fraterculus on distribution pattern of 5573
in Brazil 5573
Cenopalpus lanceolatisetae on, in Egypt 3620
C. pulcher on, in Egypt 3620
Ceratitis capitata on, in Tunisia 492
Cydia pomonella on, development of 4308
diseases of, identification of 7306
Eulecanium prunastri on, in France 2722
E. tiliae on, in Armenia 7307
Mimastra cyanura on, in Himachal Pradesh 7177
pest control on 7306
pests of, identification of 7306
plum pox virus in, aphid transmission of 5720
Recurvaria nanella on, in Crimea 6099
- Apricot (dried fruit), *Oryzaephilus mercator***
in, development of 4100
- Apriona germari**
in Taiwan 4305
on *Alnus formosanus*, in Taiwan 4305
on *Castanea*, in Taiwan 4305
on *Trema orientalis*, in Taiwan 4305
- aprobola, Platypeplus, (Argyroploue)**
- Apterencyrtus acanthococci**
sp. nov., description of 550
in USSR 550
parasitising, *Acanthococcus sasae*, in Kurile Islands 550
- Apterencyrtus danzigae**
sp. nov., description of 550
in USSR 550
parasitising, *Antonina crawi*, in Kurile Islands 550
- apterus, Pyrrhocoris**
- Aptinothrips**, keys to 1973
- Aptinothrips elegans**
biology of 1973
distribution of 1973
host preferences of 1973
- Aptinothrips karnyi**
biology of 1973
distribution of 1973
host preferences of 1973
- Aptinothrips rufus**
biology of 1973
distribution of 1973
host preferences of 1973
- Aptinothrips stylifer**
biology of 1973
distribution of 1973
host preferences of 1973
- aquana, Notocelia** (see *Epiblema roborana*)
- Aquatic ecosystems, pesticides in, non-target effects of 3890**
- aquatica, Cavariella**
- aquaticum, Cornops**
- Aquila chrysaetus**, organochlorine insecticides in, residues of 3324
- aquilonia, Formica**
- aquiloni, Coccysomimus**
- arabicus, Tetranychus** (see *T. urticae*)
- Arabinofuranosidase, α -L-, in *Locusta migratoria* gut 739**
- Arabinofuranosidase, β -L-, in *Locusta migratoria* gut, not found 739**
- Arabinose, in *Odontotermes obesus* diet, absorption of 4624**
- Arabis ludoviciana, Erysimum latent virus**
in, infectivity of 6146
- Arable crops, pest control on, in UK 4181**
- D-Araboascorbic acid** (see D-erythro-Hex-2-enonic acid, γ -lactone)
- Arachidic acid** (see Eicosanoic acid)
- arachidis, Marava**
- Arachis hypogaea** (see Groundnut)
- Arachnida**
in clover fields, in Egypt 3602
in lucerne fields, in Egypt 3602
in potato fields, effects of insecticides on 3311
in rape fields, effects of insecticides on 3311
in sugar-beet fields
effects of insecticides on 371, 3311
in Poland 371
insecticides in, effects of 5806
on sugar-cane, in Dominican Republic 7223
pathogens of, defence mechanisms against 4451
- Aradophagini, in Romania, not found 2629**
- Aradus cinnamomeus**
attraction of, to pine oils 432
biology of 5691
control of
crop management for 5691
insecticides for 5691
in USSR 432
on *Larix*, damage caused by 5691
on *Pinus sylvestris*
damage caused by 5691
in Ukraine 432
- Araecerus fasciculatus**, fungi in 6227
- Araeopidae, in rice-fields, in Tokushima Prefecture 1354**
- Arak, DDT in, residues of 5784**
- Aralia, Brevipalpus obovatus** on, in Bulgaria 3725

Araliaceae, *Kerria lacca* on, in Tamil Nadu 7406

Aramite (see Sulfurous acid, 2-chloroethyl 2-[4-(1,1-dimethylethyl)phenoxy]-1-methylethyl ester)

Araneae

DDT in, effects of 6968

endosulfan in, toxicity of 2087

Hymenostilbe ghanensis in, in Ghana 7495

in apple orchards

identification of 7314

in Ontario 6115

in barley fields, in UK 4254

in beech forests, in Denmark 2130

in citrus groves, in Florida 4186

in clover fields, in Egypt 5412

in cotton fields

effects of insecticides on 3712

in California 3712

in grain fields, in Finland 2767

in grassland, in Finland 2767

in lucerne fields, in California 304

in milk powder, in Japan 7448, 7460

in milk-powder factories, in Japan 7446-7447

in rice-fields

effects of chlordimeform on 7268

in Japan 834, 6065

in Peru 710

in soil, in Egypt 4206

in sorghum fields, in Texas 7276

in soy-bean fields

effects of insecticides on 4949

in North Carolina 4949

in South Carolina 365, 4949

in sugar-beet fields, effects of insecticides on 371

in wheat fields, in UK 4254

insecticides in, toxicity of 1049

mirex in, residues of 5148

on *Picea abies*, in Norway 431

population increase in, relation of prey consumption and 2716

predation by 772

prey of, in Rhodesia 1049

preyed on by, *Pardosa ramulosa*, in California 1293

preying on

aphids

in Maine 878

in UK 4254

Aphis gossypii, in Nigeria 2087

Bombinae, in North America 3550

Chilo polychrysus, in Malaya 4849

Cinara piceae, in Austria 931-932

Diatraea saccharalis, in Louisiana 235

Drosophila melanogaster 6065

Dysdercus supersticiosus, in Nigeria 2087

Heliethis virescens, in Texas 4373

Hyphantria cunea, in Moldavia 5980

Araneae contd.

preying on contd.

Kakothrips pisivorus, in Mordovian Republic 6157

Luperus pinicola, in West Germany 4420

Microdiprion pallipes, in West Germany 930

Nephotettix cincticeps, in Japan 2807

Nilaparvata lugens, in India 4864

Numicia viridis, in southern Africa 5959

Okanagana rimosa, in Ontario 5985

Pectinophora gossypiella, in Texas 4373

pests of rice, in Japan 6065

Rhyacionia neomexicana 3066

Scirpophaga incertulas, in Malaya 4849

Scotinophara coarctata, in Malaya 4853

Thecodiplosis japonensis, in South Korea 3488

Trogoderma granarium, in Punjab 6315

searching behaviour in 932

seasonal abundance of 365

traps for 2130

Araneida (see Araneae)

araneoides, *Rhytidoponera*

arator, *Heteronychus*

Araucaria cunninghamii

Buprestidae on, in Papua New Guinea 3057

Coptotermes pamuae on, in Papua New Guinea 6207

Diaprus pusillimus on, in Papua New Guinea 6207

Hylurdrectonus araucariae on, in Papua New Guinea 428, 3063, 3072

Othniidae on, in Papua New Guinea 3057

Platypodidae on, in Papua New Guinea 642

Scolytidae on, in Papua New Guinea 643

Syllitus spp. on, in Papua New Guinea 641

Teratomiris proboscicodocoris on, in Queensland 6031

termites on, in Malaya 3560

Vanapa oberthueri on, in Papua New Guinea 3063

Xyleborus perforans on, in Papua New Guinea 6207

Araucaria excelsa (see *A. heterophylla*)

Araucaria heterophylla, juvenile-hormone activity of extracts of 4064

Araucaria hunsteinii

Pseudopalaeocoris novaguineae on, in New Guinea 6031

***Araucaria hunsteinii* contd.**

Syllitus spp. on, in Papua New Guinea 641

termites on, in-Malaya 3560

araucariae*, *Hylurdretonus

araxis, *Eriopeltis* (see *E. festucae*)

arborsignis*, *Histiogaster

Arborvitae (see *Thuja occidentalis*)

Arbutus

Ceroplastes rusci on, in France 2722

Filippia oleae on, in France 2722

Archiboreoiulus pallidus

biology of 4749

control of 4749

pesticides for 2660

in Belgium 2660

in UK 4749

on sugar-beet, in Belgium 2660

Archimerus alternatus

dorsal abdominal glands in, secretion of 3395

metathoracic glands in, secretion of 3395

archippivora*, *Lespesia***archippus*, *Limenitis***

Archippus piceanus similis (see *Archips similis*)

Archippus pulchra (see *Ptycholoma*)

Archips

on apple

in Netherlands 327

in Switzerland 3626

parasitised by, *Apanteles ater*, in

Netherlands 327

population dynamics of 3626

Archips argyrospilus

control of 337

insecticides for 2871

in Canada 2871

in USA 337

on apple, in British Columbia 2871

on *Citrus*, in California 337

Archips cerasivoranus

Baculovirus spp. in, in Quebec 956

in Canada 956

Nosema cerasivoranae in, in Quebec 956

nuclear polyhedrosis virus in, in Quebec 956

Pleistophora spp. in, in Quebec 956

Archips crataeganus

diapause in 1169

eggs of, coldhardiness of 7436

embryonic development in 1169

in Bulgaria 1169

in Czechoslovakia 7436

on *Quercus*, in Czechoslovakia 7436

Archips podanus

apple canker and 5978

in Hungary 4211

in Poland 406, 4306

in UK 5978, 7591

on apple

in Hungary 4211

***Archips podanus* contd.**

on apple contd.

in Northern Ireland 5978

in Poland 4306

on cherry, in Poland 4306

on fruit trees, in Europe 7552

on medlar, in Hungary 4211

on pear

in Hungary 4211

in Poland 4306

on *Rosa rugosa*, in Poland 406

parasites of, in Hungary 4211

sex pheromone of 4627

traps for 7591

Archips rosanus

biology of 4913

in Greece 4913

in Poland 4306

on apple, in Poland 4306

on *Citrus*, in Greece 4913

on fruit trees, in Europe 7552

on pear, in Poland 4306

on Rosaceae, in Greece 4913

Archips semiferanus

in USA 3059, 4735

on *Quercus* 4630

in Pennsylvania 3059, 4735

sex pheromone of 1779, 3059,

4629-4630, 4641

sexual behaviour in 4630

traps for 1779, 3059, 4735

Archips similis

in Japan 1094

parasitised by

Scambus coniferae, in Japan 1094

S. kamijoi, in Japan 1094

Archipsocus

on mandarin

damage caused by 6753

in Karnataka 6753

Archotermopsis wroughtoni

biology of 3561

in Pakistan 3561

Archytas apicifer

in USA 3621

in apple-maggot traps, in Indiana 3621

parasitising

Mythimna unipuncta 3621

Peridroma saucia 3621

Spodoptera frugiperda 3621

Archytas californiae

in USA 3621

in apple-maggot traps, in Indiana 3621

parasitising, *Trichoplusia ni* 3621

Archytas marmoratus

biology of 2479

larviposition in 784

parasitising, *Heliothis virescens* 2479

Arcte coerulea

cytoplasmic polyhedrosis virus in,

infectivity of 2192

illustrations of 2002

- Arcte coerulea* contd.
in South Korea 2002
on grapevine, in South Korea 2002
- Arctia caja*
in USSR 1872
on soy bean, in USSR 1872
parasitised by
Blepharigena erythroceræ, in USSR 1872
Carcelia lucorum, in USSR 1872
- Arctiidae**
illustrations of 4139
in Galapagos Islands 4139
rearing of, diets for 1230
traps for 142
- Arctium lappa*, *Tebenna issikii* on, in Japan 7364
- Arctotheca calendula*, *Epiphyas postvittana* on 4900
- arcuata*, *Coccinella*
arcuata, *Corythucha*
arcuatus, *Plagionotus*
arcuatus, *Xanthomelanodes*
- Ardis brunniventris*
biology of 2655
control of, insecticides for 2655
in Netherlands 2655
in Poland 1503
on *Rosa rugosa*
damage caused by 2655
in Netherlands 2655
on rose, in Poland 1503
parasitised by, *Lathrolestes caudatus*, in Netherlands 2655
- Ardisia crenata* (see *A. crispa*)
- Ardisia crispa*
Phenacoccus solani on, in Florida 410
Pseudococcus longispinus on, in Florida 410
- areator*, *Gelis*, (*Hemiteles*)
- Areca catechu*, *Raoiella indica* on, in Karnataka 7286
- arenacearia*, *Tephрина*
- Arenetra pilosella*
in USSR 5522
parasitising, *Cerapteryx graminis*, in USSR 5522
- Aretan* (see Mercury, chloro(2-methoxyethyl)-)
- aretas*, *Litomastix*
- Arge ochropus*
in Poland 1503
on rose, in Poland 1503
- Arge pagana*
in Poland 1503
on rose, in Poland 1503
- Arge pectoralis*
on *Betula papyrifera* 910
Thelohania pristiphorae in, infectivity of 910
- Arge rosae* auct. (see *A. ochropus*)
- argentatus*, *Phyllobius*
argentifera, *Plusia* (*Chrysodeixis*)
argentifrons, *Gymnoprosopa*
- Argentina**
Acridoidea in 4698
Acyrtosiphon pisum in
natural enemies of 477
on lucerne 477
Aonidiella aurantii in, on *Citrus* 3638
Aphis gossypii in, on cotton 4361
biological control in 2750
Caliothrips fasciatus in, on cotton 4361
Carabidae in 774
Chabuata major in 1798
Chalcidoidea in 675
Chrysopa lanata in 780
Cornops aquaticum in
on *Eichhornia* 2762
on *Pontederia cordata* 2762
Dactylopius austrinus in, on *Opuntia aurantiaca* 555
D. ceylonicus in 555
D. confertus in 555
D. salmianus in 555
D. zimmermanni in 555
Drosophila gaucha in 2532
D. pavani in 2532
Encyrtidae in 674
Entylia carinata in, on Compositae 3358
Gratiana lutescens in 4242
Hepialidae in, natural enemies of 774
Lamellicorns in, natural enemies of 774
Liriomyza huidobrensis in
natural enemies of 3660
on *Vicia faba* 3660
mites in, associated with arthropods 2666
Orthogalumna terebrantis in
on *Eichhornia* 3458
on *Pontederia lanceolata* 3458
Phthorimaea operculella in
natural enemies of 1277, 1279
on potato 1277
on tobacco 1277
Plagiotrochus suberi in, on *Quercus* 3751
Sericoides spp. in, natural enemies of 775
Solenopsis richteri in, natural enemies of 3133
sterile-insect release in 5126
Teleonemia prolixa in, on *Lantana camara* 4240
Tetranychus spp. in, on cotton 4361
argentinus, *Dactylopius* (see *D. ceylonicus*)
argillacea, *Alabama*
Argina cribraria
in India 6154
on *Crotalaria juncea*
development of 4379
in India 6154
on *Dolichos lablab*, development of 4379, 6154

***Argina cribraria* contd.**

- on *Melilotus indica*, development of 4379, 6154

L-Arginine

- Acyrtosiphon pisum* feeding responses to 3405
- in *Dysdercus similis* diet, requirement for 7069
- in *Manduca sexta*, reducing effects of canavanine 5256
- in rice, effects of *Nilaparvata lugens* on 1965
- in sugar-beet, *Lygus disponsi* causing increased level of 868
- in sugar-cane, effect on *Melanaphis indosacchari* reproduction of 2380
- in *Tetrastichus israeli* diet, requirement for 6640
- in *Viteus vitifoliae* 2859

Argoporis

- defensive behaviour in 2403
- defensive secretion in 2403

Argutencyrtus

- gen. n., description of 16
- taxonomy of
 - relation of *Blastothrix* and 16
 - relation of *Microterys* and 16

Argutencyrtus luteolus

- sp. n., description of 16
- in South Africa 16
- parasitising, *Chloropulvinaria psidii*, in South Africa 16

Argyresthia conjugella

- control of, insecticides for 5564
- in Finland 2273, 6592
- in Norway 5564
- on apple
 - forecasting infestations of 5564
 - in Finland 6592
 - in Norway 5564
- on *Sorbus aucuparia*, in Norway 5564

Argyresthia thuella

- biology of 1319
- control of, insecticides for 1319
- in Belgium 1319
- in Netherlands 1319
- on *Chamaecyparis*, in Netherlands 1319
- on *Thuja*, in Netherlands 1319

Argyresthiidae*, in USSR 5225**Argyrogramma verruca***

- attractants for 4045
- in USA 4045
- on soy bean, in Florida 4045

Argyroploce

- biology of 5938
- on protea
 - damage caused by 5938
 - in South Africa 5938

Argyroploce aprobola* (see *Platyepelus*)**Argyroploce lacunana***

- feeding preferences of 2849
- in UK 2849

***Argyroploce lacunana* contd.**

- on strawberry, in England 2849
- Argyroploce leucotreta* (see *Cryptophlebia*)
- argyrosipilus*, *Archips*
- argyrostoma*, *Sarcophaga*
- Argyrotaenia citrana*
 - in USA 4639
 - on grapevine, in California 4639
 - sex pheromone of, identity of 4639

Argyrotaenia pulchellana

- biology of 317
- in Hungary 317
- on grapevine, damage caused by 317

Argyrotaenia velutinana

- amino acids in, nutritional value of 1756
- calling rhythms in, effects of photoperiod on 2512
- control of
 - insecticides for 7541
 - mating disruption for 3461
 - traps for 2884
- energy utilisation in 7071
- in USA 2884, 3461, 4589, 4636, 7541
- α -keto acids in, nutritional value of 1756
- nutrition of 7071
- on apple
 - in New York 2884, 4636
 - in North Carolina 7541
 - in USA 4589
- pheromones of 4589
- sex attraction in, disruption of 3460
- sex pheromone of
 - effects of temperature on response to 2512
 - secondary components of 4636

Arhar* (see *Cajanus cajan*)**Arhopoideus peregrinus***

- attraction of, to host virgin females 6542
- in Italy 6542
- parasitising, *Pseudococcus calceolariae* 6542

arida*, Cuerna**arietulus*, *Loxoblemmus***

- Aristida brevifolia*, *Eremiaspis graminis* on, in South-West Africa 558

Aristolochia bracteata*, *Pachliopta

- aristolochiae* on 1332

aristolochiae*, *Pachliopta* (*Polydorus*)**Aritranis pini***

- sp. nov., description of 1094
- in Japan 1094
- parasitising, *Rhyacionia simulata*, in Japan 1094

Arizona

- Ammophila centralis* in, not found 6024
- Anthonomus grandis* in, on cotton 6191
- Arctiidae in 142
- Camponotus schaefferi* in 4043
- Chrysopa* spp. in 1309
- Coccus pseudomagnoliarum* in 4328
- cotton in, pest control on 2249
- cotton insects in 3714

Arizona contd.

- Cuerna arida* in 838
C. balli in 838
Dactylopius confusus in, on cacti 555
D. tomentosus in, on cacti 555
 DDT residues in 5819
Diatraea grandiosella in 6425
Heliothis spp. in, on cotton 7521
Hypera brunneipennis in 22
Ips pini in
 natural enemies of 5667
 on *Pinus* 5667
Nabis spp. in, natural enemies of 1168
 Noctuidae in 142
Oncometopia alpha in
 on *Populus* 2375
 on *Salix* 2375
Pectinophora gossypiella in 5334, 6513
 on cotton 890, 2999, 3007, 4978
Rhyacionia neomexicana in, on *Pinus* 3766
 seed-feeding insects in 6652
 Siricidae in
 natural enemies of 3741
 on conifers 3741
Spodoptera exigua in, on lucerne 1377
Trichoplusia ni in 1783
- Arkansas**
 biological control in 2750
 cotton in, pest control on 997
Curculio caryae in, natural enemies of 3824
Diatraea grandiosella in 6425
Heliothis spp. in
 natural enemies of 2736
 on cotton 2736
H. zea in 4476, 5328
Ictalurus punctatus in, pesticide residues in 6401
Malacosoma americanum in 4691
Sitophilus zeamais in, in stored maize 3789
 soy bean in, pest control on 997
Spissistilus festinus in, on soy bean 2938
- Arkatan ETs** (see Dicofol, with dinocap)
Arkodrex (see DDT, with endrin)

Armadillidium

- control of 6590
 in dwellings, in Canada 6590

armata, Hypogastrura**armatus, Onychiurus****armigera, Acrosternum****armigera, Aspavia****armigera, Eucelatoria****armigera, Heliothis****(Chloridea)****(Helicoverpa)****Armigeres subalbatus**, wing beat in, analysis of 1807**Armillaria mellea****in****Abies grandis**, in Idaho 3047**Armillaria mellea contd.****in contd.**

- Quercus*, in Connecticut 7439
armillata, Diadegma, (*Nythobia*)
armillatum, Amaurosoma
Armoracia lapathifolia (see Horse-radish)
Armoracia rusticana (see Horse-radish)
Armyworms, on food crops, damage caused by 725
Arocatus continctus
 in India 1847
 on *Calotropis*, in Tamil Nadu 1847
 on *Nerium odorum*, in Tamil Nadu 1847
Arogen 500 (see Silica)
Aromatic hydrocarbons, in air of insect-rearing laboratories 4724
Arprocarb (see Propoxur)
arravaca, Ammalo
Arrex E (see Zinc phosphide (Zn_3P_2))
Arrhenodes minutus
 in USA 5065
 in *Quercus* timber, in USA 5065
Arrhenophagoidea, keys to 3362
Arrhenophagus, taxonomy of, revision of 3362
Arrhenophagus albipes, taxonomy of, synonym of *A. albitibiae* 3362
Arrhenophagus albitibiae
 in Japan 3362
 in Sri Lanka 3362
 parasitising, *Phenacaspis eugeniae*, in Hong Kong 3362
 taxonomy of
 Arrhenophagus albipes as synonym of 3362
 misidentified as *A. chionaspidis* in Japan 3362
 in Sri Lanka 3362
Arrhenophagus chionaspidis
 descriptions of 3362
 in Brazil 3362
 in Hungary 3362
 in Sweden 3362
 in Switzerland 3362
 in Tanzania 3362
 in Uganda 3362
 parasitising
 Aulacaspis rosae
 in Hungary 3362
 in Switzerland 3362
 A. tegalensis, in Tanzania 3362
 Chionaspis salicis, in Sweden 3362
 Pinnaspis strachani, in Uganda 3362
 Unaspis citri, in Brazil 3362
 taxonomy of
 Arrhenophagus albitibiae misidentified as
 in Japan 3362
 in Sri Lanka 3362
Arsenic acid
 calcium salt, with dimethoate, against, pests of groundnut 1461

- Arsenic acid** *contd.*
 lead salt, in *Anthocoris nemorum*, toxicity of 5436
- Arsenic acid (H_3AsO_4)**
 calcium salt (2:3), with DDT, against, *Heliothis armigera*, on cotton 6181
 copper(2+) salt (2:3), with chromic acid ($H_2Cr_2O_7$) disodium salt, against, termites, in wood 4719
- Arsenicals**, against, forest pests 2127
- Arsinic acid, dimethyl-**
 against, *Scolytus multistriatus*, on *Ulmus* 4392
 in *Ips typographus*, effects on aggregation pheromone of 2152
 in *Pinus* trap trees 5668
- arta, Erythroneura**
- Artemia salina**
 endosulfan in, toxicity of 2643
 endosulfan metabolites in, toxicity of 2643
 toxaphene components in, toxicity of 4538
- Artemisia abrotanum**, oviposition deterrence of extracts of 7338
- Artemisia absinthium**, oviposition deterrence of extracts of 7338
- Artemisia montana**, *Coleophora yomogiella* on, in Japan 562
- Artemisia princeps**
Coleophora kurokoi on, in Japan 562
C. yomogiella on, in Japan 562
Sappaphis piri on, in Japan 1096
- Artemisia santonicum**
Eurygaster integriceps on
 in Iran 1838
 rearing of 1838
- Artemisia stelleriana**, *Tetranychus ludeni* on, in China 1851
- Artemisia verlotiorum**, *Entylia carinata* on, in Argentina 3358
- artemisiae, Diarthronomyia** (see *Rhopalomyia pomum*)
- Arthrobotrys oligospora**, in, *Plecia nearctica*, in Florida 3132
- Arthrocnodax occidentalis**
 in Taiwan 2909
 preying on, *Tetranychus truncatus*, in Taiwan 2909
- Arthropleona**, in grassland, in Nova Scotia 300
- Artichoke, globe (Cynara scolymus)**
Aphis solanella on, in Italy 1438
Brachycaudus cardui on, in Italy 1438
Capitophorus elaeagni on
 in Egypt 4776
 in Italy 1438
Cassida algirica on, in Italy 1437
C. deflorata on, in Italy 1437
C. rubiginosa on, in Italy 1437
Diaparsis obliqua on, in Karnataka 5429
Dysaphis cynarae on, in Italy 1438
- Artichoke, globe contd.**
Platyptilia carduidactyla on, in USA 763
- articularis, Selenaspidus**
- artocarpus, Greenidea**
- Artocarpus, Leucanella memusae** on, in Brazil 5243
- Artocarpus integrifolia**, pests of, in Bangladesh 4180
- Artona funeralis**, cytoplasmic polyhedrosis virus in, infectivity of 2192
- arturi, Myobiopsis**
- arundinis, Hyalopterus**
- arvalis, Bourletiella**
- Aryltransferase, glutathione S**
 in *Heliothis virescens*, organophosphate degradation by 1036
 in insects, role in organophosphate degradation of 1653
- Arzama densa**
 in USA 2971
 on *Colocasia esculenta*, in Florida 2971
 on *Eichhornia crassipes*
 and biological control using 2971
 in USA 2747
 parasites of, in USA 2747
 pathogens of, in USA 2747
- AS-50** (see Carbaryl)
- Asaphes lucens**
 development in 361
 hyperparasitising, *Acyrtosiphon pisum*, in British Columbia 361
 in Canada 361
- Asaphidion flavipes**, in West Germany 6007
- ascalonicus, Myzus**
 (*Myzodes*)
- Aschersonia**
 in
Dialeurodes citri, and biological control using, in USSR 7325
Insulaspis gloverii, in Nigeria 3635
Lepidosaphes beekii, in Nigeria 3635
Parlatoria pergandii, in Nigeria 3635
- Aschersonia aleyrodis**
 in
Aleurocanthus woglumi, in El Salvador 1429
Trialeurodes vaporariorum, biological control with 490
- Aschersonia placenta**, in, *Dialeurodes citri*, and biological control using, in USSR 7325
- Ascogaster**, parasitising, *Cryptophlebia leucotreta*, in Uganda 2084
- Ascogaster annularis**
 in Hungary 2012
 parasitising, *Recurvaria leucatella*, in Hungary 2012
- Ascogaster quadridentata**
Bacillus thuringiensis in, not pathogenic 6020
 in Austria 3252

***Ascogaster quadridentata* contd.**

- in USSR 6020, 6107
- in West Germany 5663
- parasitised by, *Perilampus tristis*, in Austria 3252

parasitising

- Cydia pactolana*, in West Germany 5663

C. pomonella

- in Austria 3252
- in Kazakhstan 6020
- in Ukraine 6107

- Ascomycetes**, in, timber, effects on termites of 7210

L-Ascorbic acid

- Costelytra zealandica* feeding responses to, effects of lucerne saponins on 1713
- diet component for

- Acrolepiopsis assectella* 1830
- Ageria pictipes* 1845
- Agrotis segetum* 6572
- Diparopsis castanea* 1840
- Eurygaster integriceps* 5388
- Heliothis armigera* 3495
- Hydraecia micacea* 1238
- Hyphantria cunea* 1242
- Lepidoptera 1230
- Mamestra brassicae* 6573
- Oryzaephilus mercator* 2418
- Spodoptera exigua* 5923
- S. littoralis* 138, 668
- S. litura* 1239

- in *Cydia pomonella*, effects of 136
- in *Diatraea grandiosella* diet, requirement for 4652
- in *Heliothis virescens* diet, requirement for 2566
- in plants, effects of age and season on 4654
- in tomatoes, endosulfan inhibiting synthesis of 5769
- in *Tribolium castaneum* diet, effects on insecticide susceptibility of 1026
- Tetranychus urticae* feeding response to 1710
- sodium salt, diet component for, *Chilo suppressalis* 134

L-Ascorbic acid, dehydro- (see L-threo-2,3-Hexodiulosonic acid, γ -lactone)***Ascotis selenaria reciprocaria*** (see also

- Boarmia selenaria reciprocaria*)
- in Kenya 1892
- on coffee, in Kenya 1892
- preyed on by, *Macrorhaphis acuta* 1892

Aserica (see *Maladera*)**Ash** (see *Fraxinus*)***ashmeadi*, *Leptoglossus***

- Asia, *Chlaenius* spp. in 1913
- Asia, Far-East, Aphidiidae in 2322-2323
- Asia, South-East, Tetranychidae in 5371
- asiatica*, *Pseudonapomyza*
- asiaticus*, *Trioxys*

- Asilidae**, preying on, Bombinae, in North America 3550

Asimina triloba*, *Calepitrimerus asiminae on, in Ohio 3985***asiminae*, *Calepitrimerus***

- Asiphum***, taxonomy of, synonym of *Pachypappa* 4597

Asolcus grandis (see *Trissolcus*)***Asolcus reticulatus*** (see *Trissolcus*)***Asolcus seychellensis*** (see *Trissolcus*)**Asopinae**, development in 2476***asparagi*, *Crioceris******asparagi*, *Tetrastichus*****L-Asparagine**

- in cotton, effects of insecticides on 894
- in *Papilio demoleus* 5890
- in *Plutella xylostella*, effects of bacterial infection on 3125
- in rice, effects of *Nilaparvata lugens* on 1965
- in *Viteus vitifoliae* 2859
- Phyllotreta nemorum* feeding responses to 3459

Asparagus

- Crioceris asparagi* on
- distribution pattern of 6143
- in Massachusetts 3647
- in Ontario 6143
- Euxoa ochrogaster* on
- in Texas 346
- influence of weeds on 346
- Hylemya platura* on, in West Germany 2910-2911

Thrips tabaci on, in Bulgaria 3027***Asparagus officinalis*** (see *Asparagus*)**L-Aspartic acid**

- in *Dysdercus cingulatus* hemolymph 1782
- in *Dysdercus similis* diet, requirement for 7069
- in *Macrosiphum euphorbiae* 3423
- in *Oryzaephilus surinamensis* 4680
- in *Papilio demoleus* 5890
- in *Selanastrum capricornutum*, DDT suppressing incorporation of CO₂ into 6413
- in sugar-beet, *Lygus disponsi* causing reduced level of 868
- in *Viteus vitifoliae* 2859
- in wheat, effects of insecticides on 274
- Nilaparvata lugens* feeding responses to 2496

L-Aspartic acid, N-[(3-amino-3-carboxypropoxy)amino]iminomethyl]-, in *Manduca sexta*, effects on development of 4651***Aspavia armigera***

- in Sierra Leone 833
- on rice, in Sierra Leone 833

Aspen, quaking (see *Populus tremuloides*)
asperatus*, *Xyleborus

Aspergillus

in

Drosophila melanogaster, pathogenicity of 227*Sitophilus oryzae*

effects of 2165

in South Korea 2165

stored wheat, in South Korea 2165

Thyridopteryx ephemeraeformis, in

Georgia (USA) 2735

insecticidal activity of 227

Aspergillus candidus

in

insects, in Israel 7496

Sitophilus oryzae, effects of 2165**Aspergillus flavus**

in

Lymantria obfuscata, in Karnataka 3720

maize, in Georgia (USA) 4260

Nephantis serinopa, pathogenicity of 6341

insecticidal activity of extracts of 4549

Aspergillus niger

in

insect rearing media, effects of 3282

Sitophilus oryzae, effects of 2165*Aspergillus oryzae*, in, insects, in Israel 7496**Aspergillus parasiticus**

in

Thyridopteryx ephemeraeformis

appressoria formation by 5728

biological control with, in Georgia (USA) 963

Aspergillus versicolor, insecticidal activity of extracts of 4549**asperulus, Ceutorhynchus****asperulus, Xylotrupes gideon***Asphodel* (see *Asphodelus fistulosus*)**Asphodelus fistulosus***Asphondylia* spp. on, in Cyprus 5538*A. gennadii* on, in Cyprus 5537**Asphondylia**

biology of 5538

control of, insecticides for 3971

food-plants of 5538

in Cyprus 3971

on *Cyamopsis tetragonoloba*, in Gujarat 2062on *Dryobalanops aromatica*, in Malaya 559

on eggplant

damage caused by 5634

in Karnataka 5634

parasitised by

Dioxybracon spp., in Gujarat 2062

Eulophidae, in Gujarat 2062

Eupelmus urozonus, in Gujarat 2062*Mesopolobus* spp., in Gujarat 2062*Neanastatus* spp., in Gujarat 2062**Asphondylia contd.**parasitised by *contd.**Watshamia malaica*, in Malaya 559

taxonomy of 5538

Eumarchalia as synonym of 5537**Asphondylia ambrosiae**

sp. nov., description of 223

in USA 223

on *Ambrosia artemisiifolia*, in Florida 223**Asphondylia capsici**

control of, insecticides for 7384

in India 7384

on *Capsicum annum*, in Tamil Nadu 7384

parasitised by

Bracon spp., in Tamil Nadu 7384*Mesopolobus* spp., in Tamil Nadu 7384*Syntomosphyrum* spp., in Tamil Nadu 7384**Asphondylia gennadii**

food-plants of 5537

in Cyprus 5537

taxonomy of

characters distinguishing *A. verbasci* and 5537transferred from *Eumarchalia* 5537**Asphondylia sesami**

biology of 3697

in India 1890, 2979, 2982, 3697

on sesame

damage caused by 2979

in Rajasthan 3697

in Tamil Nadu 2979

in Uttar Pradesh 2982

resistance to 2980

parasitised by

Bracon spp., in Uttar Pradesh 2982*Conostigmus* spp., in Rajasthan 1890*Eurytoma* spp., in Rajasthan 1890*E. nesiotis*, in Uttar Pradesh 2982*Systasis* spp., in Rajasthan 1890**Asphondylia verbasci**

in Cyprus 5537

on *Verbascum sinuatum*, in Cyprus 5537taxonomy of, characters distinguishing *A. gennadii* and 5537*Aspidiotini*, on fruit trees, in Egypt 7283**Aspidiotiphagus australiensis**

in Australia 333

parasitising, *Ceroplastes rubens*, in Queensland 333**Aspidiotiphagus citrinus**

in Italy 6137

in Japan 1894, 5101, 5466

in Portugal 4311

in Turkey 5104

overwintering in 1894, 5466

parasitising

Aonidiella aurantii

in Japan 1894, 5101

***Aspidiotiphagus citrinus* contd.**

parasitising contd.

Aonidiella aurantii contd.

in Turkey 5104

A. citrina, in Turkey 5104*A. taxus*, in Japan 1894, 5101*Aspidiotus nerii*, in Sicily 6137*Chrysomphalus dictyospermi*, in Turkey 5104***Quadraspidotus perniciosus***

in Japan 1894, 5101

in Portugal 4311

Unaspis yanonensis

in Fukuoka Prefecture 1894

in Japan 5101, 5466

in Kagoshima Prefecture 1894

parathion in, toxicity of 6137

Aspidiotus aurantii (see *Aonidiella*)***Aspidiotus citrina*** (see *Aonidiella*)***Aspidiotus destructor***

biology of 1386

in Pakistan 1386

in Príncipe 2845

in São Tomé 2846

on coconut

in Pakistan 1386

in Príncipe 2845

in São Tomé 2846

on *Cucurbita maxima* 1386

on mango, in Pakistan 1386

parasitised by

Aphytis melinus, in Pakistan 1386*Pakencyrtus pakistanensis*, in Pakistan 1386

preyed on by

Cryptognatha nodiceps 767

and biological control using, in Príncipe 2845

Aspidiotus glomerata (see *Melanaspis*)***Aspidiotus hederæ* auct.** (see *A. nerii*)***Aspidiotus nerii***

control of 3724

growth regulators for 2883

oil emulsions for 6136–6137

in Egypt 7283

in Italy 5102, 6136–6137

in USA 4219

on *Cassia artemisoides*, in Egypt 3724on *Citrus*

in Italy 5102

in Sicily 6136–6137

on *Cycas revoluta*, in Georgia (USA) 4219

on potato 5102

on watermelon 5102

parasites of, effects of insecticides on 6136–6137

parasitised by

Aphytis chilensis

in Italy 5102

in Sicily 6136

A. chrysomphali 92***Aspidiotus nerii* contd.**

parasitised by contd.

Aphytis contd.*A. lingnanensis*, and biological control using 5107*A. melinus* 92*Aspidiotiphagus citrinus*, in Sicily 6137

preyed on by

Aleurodonthrips fasciapennis, in Georgia (USA) 4219*Cybocephalus* spp. 2721

seasonal abundance of 3724

Aspidiotus orientalis (see *Aonidiella*)***aspidistrae*, *Pinnaspis******Aspilota insignis***, body size in 182***assamensis*, *Trioxys******assectella*, *Acrolepiopis*, (*Acrolepia*)*****assimile*, *Apion******assimilis*, *Ceutorhynchus******assimilis*, *Gryllus******assimilis*, *Muscina******assimilis*, *Oswaldia******assulta*, *Heliothis***(*Helicoverpa*)***Aster*, *Apion brunneonigrum*** on 1325***Aster*, *China*** (see *Callistephus chinensis*)***Aster junceus****Haplothrips angusticornis* on, in Bulgaria 1333*H. reuteri* on, in Bulgaria 1333*H. setiger* on, in Bulgaria 1333***Aster yellows***

causal agent

in

Callistephus chinensis 461

carrot

in Japan 461

symptoms of 461

Euscelis plebeja, transmission of 6038

grain crops, in Turkey 6038

Ophiola flavopicta, transmission of 461***Asterocampa celtis***, on *Celtis laevigata*, in Mississippi 3036***Asterodiaspis variolosa***

in USSR 6808

on *Quercus*, in Caucasus 6808***Asterolecaniidae***, in Chile 691***Asterolecanium coffeae***

control of, biological 4990

in Kenya 4990

on coffee, in Kenya 4990

Asterolecanium pustulans

biology of 2024

in Egypt 2024

on fig, in Egypt 2024

Astigmata, biology of 2326***Astrocampa celtis***, in USA 3036***Astrocaryum paramaca*, *Lapaemides dedalus*** on, in Surinam 310

Astrocaryum segregatum*Lapaeumides dedalus* on, in Surinam 310*Rhinostomus barbirostris* on, in Surinam 310***Asura conferta***

food-plants of 4762

in India 4762

in dwellings, in India 4762

migration in 4762

asychis, Aphelinus***Asymmetrasca decedens***

in Egypt 4000

taxonomy of

characters distinguishing *Empoasca decipiens* and 4000characters distinguishing *Empoasca distinguenda* and 4000characters distinguishing *Empoasca lybica* and 4000***Asynapta keeni***

in USA 5669

on *Pinus elliottii*, in Florida 5669on *Pinus palustris*, in Florida 5669***Atanycolus longifemoralis***

in USA 1511

parasitising, *Melanophila* spp., in Washington 1511***atedius, Megastigmus****ater, Abax* (see *A. parallelepipedus*)*ater, Apanteles**ater, Dermestes**ater, Hylastes**ater, Laemophloeus* (see *Cryptolestes spartii*)***aterrimus, Polygraphus******Athalia lugens proxima***

biology of 353, 356

control of

insecticides for 356

Neoapectana carpocapsae for 4783

in India 353, 356

on mustard, in Uttar Pradesh 353

on radish, in Maharashtra 356

on rape, in Uttar Pradesh 353

Athalia proxima (see *A. lugens proxima*)***athasaria, Lambdina******Atherigona***

control of, insecticides for 4842

on maize, in Delhi 4842

on sorghum, in Uganda 4279

Atherigona approximata

control of, insecticides for 4830

in India 820, 4830

on *Pennisetum typhoides*

damage caused by 820, 4830

in Tamil Nadu 820, 4830

Atherigona bituberculata (see *A. simplex*)***Atherigona naqvii***

in India 7233

on wheat

effects of fertilizers on 7233

effects of sowing date on 7233

in Delhi 7233

Atherigona simplex

in India 4832

on wheat

in Madhya Pradesh 4832

varietal preferences of 4832

Atherigona soccata

biology of 293, 4279

control of

crop management for 6072

insecticides for 836-837, 4869, 4871,

5520, 6067, 6071-6072

descriptions of 293

in India 836-837, 4869, 4871, 5520,

6067, 6071-6072

in Uganda 4279

on sorghum

effects of fertilizers on 4869, 6072

effects of irrigation on 6072

in India 4869, 5520

in Maharashtra 4871, 6071-6072

in Tamil Nadu 836-837

in Uganda 4279

in Uttar Pradesh 6067

resistance to, mechanisms of 6922

varietal preferences of 4869

Atherigona varia soccata (see *A. soccata*)***Athesapeuta cyperi***

biology of 1322

in India 1322

on *Cyperus rotundus*

and biological control using 1322

in India 1322

Atheta angustula

in Poland 1602

insecticides in, toxicity of 1602

Atheta gregaria

in Poland 1602

insecticides in, toxicity of 1602

Athidathion (*O,O*-diethyl *S*-[(5-methoxy-2-oxo-1,3,4-thiadiazol-3(2*H*)-yl)methyl]phosphorodithioate)against, *Hylemya antiqua*, on onion 2652***Athous***, preying on, *Rhyacionia**neomexicana* 3066***Athous haemorrhoidalis***

biology of 4763

control of 4763

in UK 4763

Athyrium felix-femina, Acrostilpna*latipennis* on, in Czechoslovakia 5405***atkinsoni, Amritodus******atlanticus, Pterostichus barbarus******atlanticus, Tetranychus*** (see *T. turkestanii*)***atlas, Attacus******Atlox***, with *Bacillus thuringiensis*,

compatibility of 3293

Atmosphere

DDT in

residues of 6392

transport of 2316

polychlorinated biphenyls in

residues of 5211

Atmosphere contd.

- polychlorinated biphenyls in *contd.*
- transport of 2316
- toxaphene in, residues of 5211

Atomaria linearis

- control of, insecticides for 2947, 2952, 3945, 3949, 7600
- in East Germany 4524
- in France 2947
- in Poland 1463, 2952, 6782
- in UK 3945, 4347
- in sugar-beet fields, in UK 4347
- on beet, in France 2947
- on sugar-beet 7600
 - distribution pattern of 4524
 - in East Germany 4524
 - in England 3945
 - in Poland 2952, 6782
- population dynamics of 4524

atomosa, Exelastis

ATP (see Adenosine 5'-(tetrahydrogen triphosphate))

ATPase (see Phosphatase, adenosine tri-)

atra, Blastodacna**atra, Erigone****atra, Phyllotreta**

Atrachelus cinereus wygodzinskyi, plant feeding in 1915

Atrachya menetriesii

- biology of 839
- diapause in 2394
- on *Trifolium repens*, in Japan 839
- Paecilomyces farinosus* in, in Japan 839
- population dynamics of 839

Atractomorpha, on *Phaseolus aureus*, in Malaysia 861

Atractomorpha crenulata

- in India 2081
- on sunflower
- in Tamil Nadu 2081
- resistance to 2081

atratus, Haplogonatopus**atratus, Taeniothrips**

Atrazine (6-chloro-N-ethyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine)

- in soy bean, inhibiting phorate sulfoxidation 3920
- in water, residues of 6989
- synergist for
 - DDT 5192
 - parathion 5192
- with butylate, and fonofos, in farm yards, effects on orthopteroids of 7168
- with carbofuran, and noruron, compatibility of 3202
- with carbofuran, and propachlor, compatibility of 3202
- with disulfoton, and noruron, compatibility of 3202
- with disulfoton, and propachlor, compatibility of 3202

Atrazine contd.

- with noruron, and phorate, compatibility of 3202
- with phorate, and propachlor, compatibility of 3202

atricapillus, Demetrias, (Risophilus)**Atrichopogon**

- on cacao
- as pollinator 402
- in Ghana 402

atriclavus, Tetrastichus**atricolor, Geocoris****atricornis, Phytomyza** (see *P. horticola*)

Atriplex hortensis, Cassida nebulosa on, development of 7368

Atriplex nitens, Thrips tabaci on, in Bulgaria 3700

Atriplex patula, Psilopa leucostoma on, in Washington 1465

atrocyanea, Gastrophysa**atrolineatus, Bruchidius****Atropa belladonna**

Leptinotarsa decemlineata on, in Ukraine 7219

Taeniothrips atratus on, in Bulgaria 1333

atropilosa, Vespula

Atropine (*endo*-(±)-8-methyl-8-

azabicyclo[3.2.1]oct-3-yl α-(hydroxymethyl)benzeneacetate)

in rat, preventing parathion-induced reduction in cardiac noradrenaline 5804

in *Rhodnius prolixus*, excretion of 7072

atropivora, Zygobothria**atropos, Acherontia****atropunctata, Eupteryx****atrox, Pheidole megacephala****Atta**

control of, *Metarhizium anisopliae* for 6670

on sugar-cane, in Brazil 6670

Atta cephalotes

alarm pheromone in 748

brood development in, dependence on social care of 5430

Atta colombica tonsipes

brood development in, dependence on social care of 5430

fecal fluid of, enzyme activity of 4198

symbiosis of fungi and 4198

Atta opaciceps

control of, insecticides for 4766–4768

in Brazil 4766–4768

Atta sexdens, brood development in, dependence on social care of 5430

Atta sexdens rubropilosa

eyes in, spectral efficiency of 5291

in Brazil 3531

Metarhizium anisopliae in, in Brazil 3531

- Atta texana***
 alarm pheromone in 748
 fecal fluid of, proteinases in 2694
 fungus cultures of, proteinases in 2695
- Attacus atlas***, juvenile hormone in 7084
- Attacus ricini*** (see *Samia cynthia ricini*)
- Attagenus***
 in clothing, in Europe 6237
 in *Ephestia kuehniella* nests 4712
 keys to 3081
- Attagenus alfieri***, taxonomy of, *Attagenus smirnovi* misidentified as, in Denmark 5376
- Attagenus brunneus***, taxonomy of, *Attagenus smirnovi* misidentified as, in Denmark 5376
- Attagenus cyphonoides*** 5376
- Attagenus fasciatus***
 in Sweden 6237
 in feedstuffs, imported into West Germany 5699
 in wool textiles, in Sweden 6237
- Attagenus fasciolatus***
Adelina tribolii in, in Yugoslavia 4485
 in Yugoslavia 4485
 in mills, in Yugoslavia 4485
- Attagenus gloriosae*** (see *A. fasciatus*)
- Attagenus japonicus*** (see *A. unicolor japonicus*)
- Attagenus longicornis***, taxonomy of, *Attagenus smirnovi* misidentified as, in Denmark 5376
- Attagenus megatoma***
 biology of 3081
 control of 4425
 insecticides for 3083, 5702, 6248, 7461
 traps for 444
 digestive enzymes in 6472
 food of 3081
 in Spain 3081
 in USA 6574
 in dwellings, in Spain 3081
 in textiles 3083
 damage caused by 4429
 in wool textiles 5702
 feeding by 6277
 life history of 4425
 mating in 6301
 sex pheromone of 6574
 traps for 6574
- Attagenus pellio***
 in Sweden 6237
 in UK 6237
 in West Germany 5698
 in textiles, in West Germany 5698
 in wool textiles
 in Sweden 6237
 in UK 6237
- Attagenus smirnovi***
 in Denmark 5376, 6237
 in USSR 6237
- Attagenus smirnovi* contd.**
 in dwellings
 in Denmark 6237
 in USSR 6237
 taxonomy of
 misidentified as *A. alfieri*, in Denmark 5376
 misidentified as *A. brunneus*, in Denmark 5376
 misidentified as *A. longicornis*, in Denmark 5376
- Attagenus unicolor japonicus***, control of, inert atmospheres for 7450
- Attapuligite**
 in insecticide formulations 5150
 malathion formulated on 7647
- Attelabidae**, on *Eucalyptus maculata*, in South Africa 5220
- attenuatus*, *Psylliodes***
- Atteva fabriciella***
 on *Ailanthus excelsa* 4037
 development of 4027
 pH in 4037
- Attractants**
 in sticky-trap adhesives 3506
 insect control using 2258
 substances tested as:, straight-chain aliphatic esters 1071
- Aubergine** (see Eggplant)
- Auchenorrhyncha**
 in Poland 7133
 on potato, in USSR 6167
 parasitised by
 Dryinidae 6012
 in UK 195
 Pipunculidae, in UK 195
 Strepsiptera, in UK 195
 sounds and associated behaviour in 6543
 traps for 4168
- aucta*, *Verrallia***
- audax*, *Tribolium***
- auditrix*, *Colcondamyia***
- augur*, *Urocerus***
- aulacaspidis*, *Adelencyrtus***
- Aulacaspis rosae***
 in Hungary 3362
 in Switzerland 3362
 parasitised by
 Arrhenophagus chionaspidis
 in Hungary 3362
 in Switzerland 3362
- Aulacaspis tegalensis***
 biology of 245
 control of, crop management for control of
 biological 239
 crop management for 239, 245
 distribution of 239
 in Malaysia 259
 in Mauritius 239
 in Tanzania 239, 245, 3362

***Aulacaspis tegalensis* contd.**

- on sugar-cane
- damage caused by 239
- in Malaya 259
- in Mauritius 239
- in Tanzania 239, 245, 3362
- parasitised by
- Adelencyrtus miyurai*, in Tanzania 245
- Arrhenophagus chionaspidis*, in Tanzania 3362
- preyed on by, *Chilocorus nigritus*, in Tanzania 245

Aulacaspis tubercularis

- in Colombia 5532
- on mango, in Colombia 5532
- Aulacidae**, hosts of, in New South Wales 6618

Aulacophora foveicollis

- control of, *Neoplectana carpocapsae* for 4783
- hemolymph proteins in, sex-specificity of 4679
- on *Lagenaria vulgaris*, feeding by 1447

Aulacorthum circumflexum

- defensive behaviour in 5332
- feeding behaviour in 1172
- in Poland 7138
- in São Tomé 4208
- preyed on by, *Aphidoletes aphidimyza* 3832

- rearing of, diets for 5924
- searching behaviour in 5332

Aulacorthum magnoliae* (see *Acyrtosiphon*)**Aulacorthum pelargonii* (see *Acyrtosiphon*)*****Aulacorthum solani***

- activity in 618
- alarm pheromone in 600
- alate production in 619
- beet mild yellowing virus in, transmission of 3117
- beet yellows virus in, transmission of 3117
- control of
- cultural measures for 3681
- insecticides for 4970
- development in 618
- feeding behaviour in 1172
- hyperparasites of, in New Zealand 1895
- in Brazil 2072, 4970
- in Bulgaria 1390
- in Japan 880
- in New Zealand 1895
- in Poland 1926, 7138
- in South Korea 1881
- in Switzerland 2071
- in UK 4352
- in USA 878, 2968, 3680–3681
- on Cruciferae, in Poland 1926
- on potato 618
- in Brazil 2072, 4970
- in Japan 880
- in Maine 878, 2968, 3680–3681

***Aulacorthum solani* contd.**

- on potato contd.
- in Switzerland 2071
- in UK 4352
- on *Rumex* 618
- on Solanaceae, in Brazil 2072
- on soy bean 618
- on strawberry, in Bulgaria 1390
- on *Trifolium repens* 618
- parasitised by
- Braconidae, and biological control using, in Maine 2968
- Hymenoptera, in Japan 880
- population density of 1881
- population dynamics of 2072
- potato leaf roll virus in
- in Maine 3680–3681
- transmission of 1574, 2072, 3680–3681
- potato virus Y in
- persistence of 5727
- transmission of 2072, 5727
- predators of, in Maine 878
- seasonal abundance of 880
- stylets in, amputation of 2551
- traps for 1881, 2072

Auletobius kuntzeni

- in Ghana 1090
- on *Terminalia ivorensis*, in Ghana 1090

Aulocara elliotti

- control of, insecticides for 3319
- in USA 3319
- in grassland, in Washington 3319

Aulonion trisulcum

- in UK 7194
- preying on
- Scolytus multistriatus*, in England 7194
- S. scolytus*, in England 7194

aurantiaria*, *Erannis***auranticella*, *Dioryctria******aurantii*, *Aonidiella***

(*Aspidiotus*)

aurantii*, *Chloropulvinaria*, (*Pulvinaria*)**aurantii*, *Toxoptera******aurata*, *Cetonia******auratus*, *Carabus******auratus*, *Rhynchites******aureolus*, *Habrocytus******aureolus*, *Tychius*****Aureomycin (see Chlortetracycline)*****auricilius*, *Chilo******auriculae*, *Pemphigus******auricularia*, *Forficula******aurifrons*, *Spathimeigenia******auripila*, *Lycoriella******aurita*, *Ledra******aurulenta*, *Bactromyia******Austracris guttulosa***

- control of, insecticides for 4822
- in Australia 1233, 4822
- on sugar-cane, in Queensland 4822
- research on 4743

- Austracris guttulosa* contd.
traps for 1233
- Australia** (see also individual States)
Campylomma livida in, on apple 6109
Chlaenius spp. in 1913
Chondrilla juncea in 1330
Aceria chondrillae for biological control of 2754
Cystiphora schimidti for biological control of 2754
Cydia molesta in 101
Cyphagogus bipunctatus in 6826
Didymuria vioscesens in 4682
dung-breeding flies in 557
Echium lycopsis in 1330
entomology in 7686
Epiphyas postvittana in, in stored apples 1569
Heliotropium europaeum in 1330
Keyacris spp. in 4682
mites in
natural enemies of 2869
on apple 2869
Moraba viatica in 4682
Occasitermes spp. in 215
Opuntia spp. in, *Cactoblastis cactorum* for biological control of 5112
orchards in, pest control in 7545
Pentodontini in 4610
pesticide use in 6270
rice stem-borers in 1958
Sirex noctilio in, on *Pinus* 188
Sminthurus viridis in, natural enemies of 967
stored grain in, pests of 1557
Tetranychus urticae in, on apple 6109
thrips in, on apple 6109
Vespula germanica in 4203
- australiae, Phaenacantha**
- Australian Capital Territory**
Cardiaspina albitextura in, on *Eucalyptus* 4400
Iridomyrmex purpureus in 1267
Persectania ewingii in 4115
Phthorimaea operculella in
on potato 2967
on tobacco 2967
Tetranychus urticae in
natural enemies of 2869
on apple 2869
- australicum, Trichogramma**
- australicus, Microterys**
- australiensis, Aspidiotiphagus**
- australis, Edwardsiana**
- australis, Hemichroa**
- australis, Isoneurothrips**
- australis, Leskiomima**
- australis, Monolepta**
- australis, Oedaleus**
- australis, Sigaus**
- Austria**
Acherontia atropos in, natural enemies of 3518
Adelges spp. in, on *Picea* 4404
Agelastica alni in, on *Alnus* 1516
Anarsia lineatella in, on imported fruit 6588
aphids in
natural enemies of 3753
on *Phaseolus vulgaris* 7351
Biosteres spp. in 2633
Bradybatus creutzeri in, on *Acer* 5015
Cacoecimorpha pronubana in, on imported carnation 6588
Cephalcia abietis in, on *Picea* 2296
Ceratitis capitata in, on imported grapefruit 6588
Cinara piceae in
natural enemies of 931–932
on *Picea* 931–932
Cnephasia interjectana in 4405
Coleophora serratella in 5011
natural enemies of 5012
Colotois pennaria in
on *Carpinus* 439
on *Quercus* 439
Cydia molesta in, on imported peach 6588
C. pomonella in
natural enemies of 3252
on apple 2089, 3251
Cystiphora sonchi in, on *Sonchus* 2752
Delia platara in, on *Phaseolus vulgaris* 7351
Diprion pini in, on *Pinus* 5008
D. similis in, on *Pinus* 5008
Epichoristodes acerbelli in, on imported carnation 6588
Ernobius laticollis in
natural enemies of 3048
on *Pinus* 3048
Fenusia pusilla in, natural enemies of 1883
Gilpinia pallida in, on *Pinus* 2296, 5008
Hylecoetus dermestoides in, on *Fagus* 438
Lepidoptera in 2615, 4525
natural enemies of 2128
on *Larix* 2128
Leptinotarsa decemlineata in, on potato 7609
Lymantria dispar in 7413
L. monacha in 5356, 7413
Macrosiphum avenae in
on oats 7228
on wheat 7228
Megastigmus aculeatus in, on *Rosa canina* 4239
Melolontha spp. in 7163
Nematini in, on *Picea* 4998
Neuroptera in 4525
Opius spp. in 2633

Austria contd.

- Ostrinia nubilalis* in
on maize 7249
on sorghum 7249
Otiorynchus salicis in 7096
pear in, pest control on 6733
pest control in, chemicals and equipment
for 6991
plant protection in 6650, 6901
Plodia interpunctella in, in ground
paprika 1546
Pristiphora abietina in 2296
natural enemies of 3056
Reticulitermes flavipes in 2738
Rhagoletis cerasi in 4321
Scolytus multistriatus in, natural enemies
of 3752
S. scolytus in, natural enemies of 3752
Siricidae in 2151
sterile-insect release in 5126
Tephritis dilacerata in, on *Sonchus* 2752
Tetranychidae in, on *Phaseolus vulgaris*
7351
Xyleborus dispar in
on apple 1415
on plum 1415
X. saxeseni in
on apple 1415
on plum 1415
Zeiraphera diniana in, on *Larix* 3058
austriaca, Anisoplia
austriaca, Eurygaster
austrianus, Dactylopius
austrianus, Pristomerus
Austroasca viridigrisea
biology of 2966
in Australia 2966
on potato, in Queensland 2966
Austroplatypus incompertus
biology of 6826
competing with, *Cyphagogus bipunctatus*,
in Australia 6826
control of, crop management for 6826
in Australia 6826
on *Eucalyptus*
damage caused by 6826
in New South Wales 6826
in Victoria 6826
Autoba olivacea
control of, plant extracts for 2976
in India 2976
on eggplant, in Kerala 2976
Autoba silicula
in India 4277
on sorghum
damage caused by 4277
in Madhya Pradesh 4277
Autographa californica (see *Plusia*)
Autographa gamma
Bacillus cereus in, in Yugoslavia 3138
biology of 4182

Autographa gamma contd.

- control of, *Bacillus thuringiensis* for
3938
cytoplasmic polyhedrosis virus in, in
Yugoslavia 3138
Entomophthora gammae in, in Yugoslavia
3138, 4707
farnesane derivatives in, growth-regulator
activity of 6939
in Egypt 4182
in France 548
in UK 3938
in USSR 3856
in Yugoslavia 3138, 4707, 4985
life history of 4985
Nosema spp. in, in Yugoslavia 3138
nuclear polyhedrosis virus in, in
Yugoslavia 3138, 4707
on chrysanthemum, in England 3938
on crop plants, in Egypt 4182
on ornamental plants, in Egypt 4182
on tobacco, in Yugoslavia 4985
parasitised by
Apanteles ruficrus, in Egypt 4182
Exorista larvarum, in Egypt 4182
Litomastix truncatella, in Yugoslavia
4707
Nemoraea pellucida, in France 548
Tachina fera, in France 548
Voria ruralis, in Yugoslavia 4707
population dynamics of 4707
Automeris irene
in Brazil 5981
on sugar-cane, in Brazil 5981
Automeris memusae (see *Leucanella*)
autumnalis, Musca
autumnalis, Procytiphora
auxiliaris, Euxoa
Auxins, in *Lygus disponsi* saliva 576
avellana, Apoda
avellanae, Phytoptus
Avena brevis, wheat streak mosaic virus in,
mite transmission of 3804
Avena sativa (see Oats)
avenae, Macrosiphum
(*Sitobion*)
aversa, Persectania
Avocad (*Persea americana*)
Amblyseius fructicolus on, not feeding
5339
A. hibisci on, feeding on sap 5339
A. stipulatus on, not feeding 5339
Cryptoblabes gnidiella on, in Israel 6743
Euryptera calochroma on, in USA 7141
Megalopyge urens on, in Brazil 5243
Pantomorus glaucus on, in Brazil 4760
Pseudococcus longispinus on, in Israel
6743
Sibine nesea on, in Brazil 3696
Xylosandrus compactus on, in Florida
332

- Avocado** (stored fruit), *Sciara hirtilineata* in, in Andhra Pradesh 7323
- Avricus**
gen. nov., description of 3992
keys to 3992
- avulsus, Ips**
- Axiagastus cambelli**
biology of 1388
in Papua New Guinea 1388
on coconut, in Papua New Guinea 1388
parasitised by
 Pentatomophaga bicincta, in Papua New Guinea 1388
 Trissolcus painei, in Papua New Guinea 1388
preyed on by, *Oecophylla smaragdina*, in Papua New Guinea 1388
- axyridis, Harmonia**
- ayyari, Byctothrips**
- ayyari, Corythium**
- Azadirachta indica**
antifeedant activity of extracts of 3906
antifeedant activity of powdered kernels of 4551
chopped leaves of, against, *Sitotroga cerealella* 937
extracts of
 against, *Epilachna varivestis*, on *Phaseolus vulgaris* 2286
antifeedants for
 Rhyzopertha dominica 1552
 Tribolium castaneum 1552
 Trogoderma granarium 1552
insecticidal activity of powdered kernels of 4439
Lachnosterna consanguinea on, attraction to leaves of 5123
L. insularis on, attraction to leaves of 5123
L. serrata on, attraction to leaves of 5123
- Azadirachtin**
antifeedant activity of 170
in *Epilachna varivestis*, effects on life-span and reproduction of 2286
- Azalea**
Collembola associated with, in Belgium 3028
Heliethrips haemorrhoidalis on, in Bulgaria 3027
- Azalea indica, Acleris latifasciana** on, in Yugoslavia 4591
- Azinphos-ethyl** (*O,O*-diethyl *S*[(4-oxo-1,2,3-benzotriazin-3(4*H*)-yl)methyl]phosphorodithioate)
against
 Heliethis spp., on *Physalis ixocarpa* 1475
 Penthaleus major, on oats 2784
 Phthorimaea operculella, on potato 7379
 Phytoptus avellanae, on hazel 1412
- Azinphos-ethyl contd.**
against contd.
 Planococcus citri 6133
 Symmetrischema spp., on *Physalis ixocarpa* 1475
 Tribolium confusum 7655
in tomato, residues of 5802
resistance to, in, *Amblyseius fallacis*, in Michigan 6025
synergists for, organic thiocyanates as 7655
with azinphos-methyl, against, *Bucculatrix thurberiella*, on cotton 2988
with *Beauveria bassiana*, against, *Leptinotarsa decemlineata*, on potato 2963
- Azinphos-methyl** (*O,O*-dimethyl *S*[(4-oxo-1,2,3-benzotriazin-3(4*H*)-yl)methyl]phosphorodithioate)
against
 Adoxophyes orana, on apple 7555
 Aegorhinus phaleratus, on peach 686
 Anthonomus grandis, on cotton 2991, 3710, 6191
 Aphis pomi, on apple 1418
 Argyresthia conjugella, on apple 5564
 Bephrata maculicollis, on soursop 4997
 Coccus pseudomagnoliarum, on orange 4328
 Conotrachelus nenuphar, on apple 7312
 Contarinia pisi, on pea 7528
 Cryptophlebia leucotreta, on peach 5939
 Cydia anaranjada, on *Pinus* 911
 C. pomonella 1204
 on apple 2880, 5567, 6110, 6731, 7309
 Diatraea saccharalis, on sugar-cane 269
 Ellimenistes laescollis, on coffee 1497
 Empoasca fabae, on *Phaseolus vulgaris* 2927
 Epiphyas postvittana, on apple 5567, 6731
 Hypera brunneipennis, on lucerne 4293
 Keiferia lycopersicella, on tomato 882
 Leptinotarsa decemlineata 1679
 Lobesia botrana, on grapevine 5548
 Lygus lineolaris, on apple 4314
 Lymantia dispar, on *Quercus* 1632
 Mamestra brassicae, on cabbage 7342
 Messa hortulana, on *Populus* 2129
 Mythimna unipuncta 6663
 Myzus persicae 7613
 Otiorynchus sulcatus 5542
 Panonychus citri 5576
 Parlatoria oleae, on olive 5587
 pests of apple 1421
 pests of *Citrus* 4324

Azinphos-methyl *contd.*against *contd.*

- pests of cotton 2092
- pests of fruit trees 1629
- pests of grapevine 1629
- pests of hop 1629
- pests of rape 7387
- Phthorimaea operculella*, on potato 7379
- Psylla mali*, on apple 7508
- P. pyricola*, on pear 4316
- Rhopalosiphum insertum*, on apple 7508
- Saissetia oleae*
 - on olive 5587
 - on orange 2897
- Tetranychus pacificus* 5576
- T. urticae*, on apple 5567, 6109
- Tipula paludosa* 2824
- Trialeurodes vaporariorum* 3937
- in *Amblyseius fallacis*, not toxic 3902
- in *Amblyseius longispinosus*, toxicity of 6417
- in *Anthocoris nemorum*, toxicity of 5436
- in apple, residues of 6110
- in bean
 - metabolism of 6974
 - translocation of 6974
- in *Ephemera danica*, effects on hemolymph proteins of 5272
- in grapevine, residues of 2857
- in *Lixophaga diatraeae*, toxicity of 6026
- in mouse intestine, inhibiting active transport of glucose 1686
- in *Nomuraea rileyi*, not inhibiting growth 3823
- in orange groves, non-target effects of 2897
- in Phytoseiidae, toxicity of 5576
- in soil, residues of 2857
- in *Stethorus loi*, toxicity of 6417
- in tomato, residues of 5802
- in *Typhlodromus pyri*, not toxic 3902
- infrared spectrophotometric analysis of 1211
- resistance to, in
 - Amblyseius fallacis* 5557
 - in Michigan 6025
 - Metaseiulus occidentalis*, in British Columbia 7309
 - Typhlodromus pyri*, in New Zealand 1421
- with acephate, against, *Keiferia lycopersicella*, on tomato 882
- with azinphos-ethyl, against, *Bucculatrix thurberiella*, on cotton 2988
- with carbaryl, against, *Keiferia lycopersicella*, on tomato 882
- with chlordimeform
 - against *Anthonomus grandis*, on cotton 2989

Azinphos-methyl *contd.*with chlordimeform *contd.*against *contd.*

- Heliothis* spp., on cotton 2989
- with demeton-S-methyl sulphone
 - against *Contarinia pisi*, on pea 7528
 - pests of rape 7387
- with dimethoate
 - against *Heliothis* spp., on *Physalis ixocarpa* 1475
 - Symmetrischema* spp., on *Physalis ixocarpa* 1475
- with methyl-demeton-S
 - against *Psylla mali*, on apple 5569
 - Rhopalosiphum insertum*, on apple 5569, 7526
- with methyl-parathion
 - against *Anthonomus grandis*, on cotton 2989
 - Heliothis* spp., on cotton 2989
- with oil emulsion
 - against *Coccus pseudomagnoliarum*, on orange 4328
 - Parlatoria oleae*, on olive 5587
- with toxaphene, against, *Curculio sayi* 4896
- with trichlorophon, against, *Keiferia lycopersicella*, on tomato 882
- Azinphosethyl** (see Azinphos-ethyl)
- Azinphosmethyl** (see Azinphos-methyl)
- Aziridine, 1,1',1"- (ethylphosphinothioylidene)bis-**, sterilant for, *Heliothis virescens* 5760
- Aziridine, 1,1',1"-phosphinothioylidynetris-** (see Thiotepea)
- Aziridine, 1,1',1"-phosphinothioylidynetris[2-methyl-** (see Methiotepa)
- Aziridine, 1,1',1"-phosphinylidynetris-** (see Tepa)
- Aziridine, 1,1',1"-phosphinylidynetris[2-methyl-** (see Metepa)
- 1-Aziridinecarboxamide, N,N'-1,4-butanediylbis-**, sterilant for, *Dacus tryoni* 6519-6520
- Azodrin** (see Monocrotophos)
- Azores**, stored products in, pests of 1545
- Azotobacter**, in, okra, effects of disulfoton on 6144
- Azotobacter chroococcum**, insecticides in, effects on growth of 4568
- Azotobacter vinelandii**, insecticides in, effects of 2311
- Azotox** (see DDT)
- Azotus perspicuosus**
 - hyperparasitising, *Quadraspidiotus macroporanus*, in Japan 785
 - in Japan 785

- azukivora**, *Thiodia* (see *Matsumuraeses phaseoli*)
- Azya orbiger**
in USA (Hawaii) 4386
preying on, *Coccus viridis*, in Hawaii 4386
sex ratio in 4386
- A13-26864** (see Piperidine, 2-methyl-1-(3-methylbenzoyl)-)
- A13-27041** (see Benzo[*b*]thiophene-4-ol, methylcarbamate)
- A13-27931** (see Phosphorothioic acid, *O*-(4-bromophenyl) *O*,*O*-dimethyl ester)
- A13-27932** (see Phosphorothioic acid, *O*-(3-bromophenyl) *O*,*O*-dimethyl ester)
- A13-27933** (see Phosphorothioic acid, *O*-(2-bromophenyl) *O*,*O*-dimethyl ester)
- A13-27934** (see Phosphorothioic acid, *O*-(4-fluorophenyl) *O*,*O*-dimethyl ester)
- A13-27935** (see Phosphorothioic acid, *O*-(2-fluorophenyl) *O*,*O*-dimethyl ester)
- A13-27936** (see Phosphorothioic acid, *O*-(2,5-dibromophenyl) *O*,*O*-dimethyl ester)
- A13-27937** (see Phosphorothioic acid, *O*-(2,4-dibromophenyl) *O*,*O*-dimethyl ester)
- A13-28984** (see Piperidine, 1-(3-chlorobenzoyl)-3-methyl-)
- A13-29117** (see Cyclopropanecarboxylic acid, 2,2-dimethyl-3-[(tetrahydro-2-oxo-3-thienylidene)methyl]-, [5-(phenylmethyl)-3-furanyl]methyl ester, [1*R*-[1 α ,3 α (*E*)]-)
- A13-34070** (see Benzene, 1-chloro-4-[1-[2-(2-ethoxyethoxy)ethoxy]ethoxy]-)
- A13-50042** (see Phosphinothioic acid, bis(1-aziridinyl)-, *O*-ethyl ester)
- A13-50765** (see Phosphinothioic acid, bis(1-aziridinyl)-, *O*-methyl ester)
- A13-52457** (see Pyrazine, 2,6-bis(1-aziridinyl)-)
- A13-61585** (see Phosphinothioic amide, *P,P*-bis(1-aziridinyl)-*N*-methyl-)
- A13-61587** (see Aziridine, 1,1'-(ethylphosphinothioylidene)bis-)
- A13-62469** (see Phosphonic diamide, *N,N,N',N'*-tetramethyl-*P*-propyl-)
- A13-70143** (see Oxazolidine, 3-acetyl-2-(2,6-dimethyl-5-heptenyl)-4,4-dimethyl-)
- A13-70357** (see 1,3-Benzodioxole, 5-[[5-(3-ethyl-3-methyloxiranyl)-3-methyl-2-pentenyl]oxy]-, (*E*-)
- A13-70459** (see Hydroprene)
- A13-70513** (see Triprene)
- A13-70531** (see Kinoprene)
- Baby food**, insecticides in, determination of 3296-3297
- baccarum**, *Anystis*
- baccarum**, *Dolycoris*
- Baccha**, parasitised by, *Diplazon laetatorius*, in Brazil 1884
- Baccha sapphirina**
in Kenya 1897
preying on, aphids, in Kenya 1897
- Baccharis halimifolia**, *Gascardia destructor* on, in Queensland 2895
- Bacillus**
in
Dendroctonus spp., role in pheromone production of 1144
Galleria mellonella gut 7066
Ips grandicollis, role in pheromone production of 1144
- Bacillus cereus**
in
Achaea janata
effects of 4474
in Karnataka 4474
Autographa gamma, in Yugoslavia 3138
Earias vittella, in Karnataka 6896
Ips paraconfusus, role in pheromone production of 1144
Ostrinia nubilalis, in Iowa 7485
Trichoplusia ni, pathogenicity of 2235
- Bacillus euloomarahae**, taxonomy of 466
- Bacillus megaterium**, in, *Ostrinia nubilalis*, in Iowa 7485
- Bacillus popilliae**
against, *Melolontha melolontha* 1900
germination of, induced by *Trichoplusia ni* hemolymph 3818
in
Amphimallon majalis, infectivity of 3818
Anomala orientalis
in Connecticut 2830
infectivity of 2830
Lachnosterna patrueloides
in Guadeloupe 474
increasing susceptibility to
Metarhizium anisopliae 474
L. plaei
in Guadeloupe 474
increasing susceptibility to
Metarhizium anisopliae 474
Popillia japonica
in Connecticut 2830
infectivity of 2830
outgrowths of, induced by *Trichoplusia ni* hemolymph 3818
- Bacillus popilliae** var. *fribourgensis*, taxonomy of 466
- Bacillus popilliae** var. *lentimorbus*, taxonomy of 466
- Bacillus popilliae** var. *melolonthae*, taxonomy of 466
- Bacillus popilliae** var. *popilliae*, taxonomy of 466
- Bacillus popilliae** var. *rhopaea*, in, *Rhopaea verreauxi*, spore production of 467
- Bacillus sphaericus**
in
Cydia pomonella, pathogenicity of 2244

***Bacillus sphaericus* contd.**

in contd.

Zeiraphera diniana, not interacting with
granulosis virus 2244***Bacillus thuringiensis***

against

Achaea janata 885*Achroia grisella* 969*Adelphocoris lineolatus*, on lucerne
6081*Adoxophyes orana*, on tea 2109*Agrotis segetum* 5736

aphids, on cabbage 2919

Autographa gamma, on chrysanthemum
3938*Cacoecimorpha pronubana*, on
chrysanthemum 3938*Choristoneura fumiferana*, on *Abies*
7428*Cydia pomonella* 2864

on apple 6731, 7539

Dalaca noctuides, in pastures 4881*Desmia funeralis*, on grapevine 316*Diatraea saccharalis*, on sugar-cane
269*Dichocrocis punctiferalis* 885*Ephestia kuehniella* 2196, 3857*Epiphyas postvittana*, on apple 6731

forest pests 6819

Galleria mellonella 969, 6336*Heliothis armigera*

on cotton 3858

on sorghum 3858

H. virescens, on *Cajanus cajan* 3853*Herpetogramma phaeopteralis*, on*Cynodon dactylon* 2822*Homona magnanima*, on tea 2109*Hymenia recurvalis*, on *Amaranthus*
3853*Hyphantria cunea* 3849*Lambdina pellucidaria*, on *Pinus rigida*
3054

Lepidoptera, on apple 1421

Leptinotarsa decemlineata 7648

on potato 5746

Lobesia botrana, on grapevine 6713*Lymantria dispar* 423, 2248, 2263,
3750on *Populus* 2206, 3815on *Quercus* 496, 2206, 3814-3815,
6222*Mamestra brassicae*, on cabbage 2919*Nephantis serinopa* 6341*Operophtera brumata*, on apple 2875*Orgyia antiqua* 912*Palpita hyalinata* 3853*Paralobesia viteana*, on grapevine 316

pests of cowpea 7353

Phlogophora meticulosa, on

chrysanthemum 3938

Pieris spp., on cabbage 2919*P. brassicae* 2196, 3857***Bacillus thuringiensis* contd.**

against contd.

Pieris brassicae contd.

on cauliflower 5080

P. rapae 471, 3849*Plutella xylostella* 667, 3849

on cabbage 3853

Psara bipunctalis, on *Amaranthus*
3853*Recurvaria nanella* 6099*Spodoptera frugiperda*, on maize 3853*S. littoralis* 3171*S. litura* 885-886, 2239*Tetranychus urticae* 5744*Tortrix capensana*, on *Citrus* 5957*T. viridana*, on *Quercus* 6832*Trichoplusia ni*, on cabbage 463*Zeiraphera diniana* 5660on *Larix* 2244, 6911

endotoxin of 3141

 δ -endotoxin of

penetration to haemolymph of 1581

purification of 1582

enzymes in 5735

 β -exotoxin of, teratogenicity of 4484

formulations of 2248

liquid 5382

physical properties of 3169

titre of 5082

in

Apanteles glomeratus

effects of 2196

pathogenicity of 631

beneficial insects, pathogenicity of
5205

birch defoliators, in USSR 4388

Bombyx mori 1581

pathogenicity of 3849

Cardiophiles nigriceps, effects on life-
span of 964*Cercis occidentalis*, persistence of 470*Choristoneura fumiferana* 1581-1582*Cydia pomonella*infectivity of, effects of ascorbic acid
on 136role of spores and crystals in
pathogenicity of 7497*Ephestia cautella*, in Florida 441*E. kuehniella*, bioassay for 2553

forests, non-target effects of 3750

Galleria mellonella, effects of 4484*Jalysus spinosus*, effects on life-span of
964*Juniperus virginiana*, persistence of
2120

Lepidoptera, in Bulgaria 5736

Locusta migratoria, effects on
haemocyte number of 165*Malacosoma disstria* 1581

mill insects, in Yugoslavia 4485

Musca domestica, bioassay for 2553

***Bacillus thuringiensis* contd.**

in contd.

Orgyia antiqua, effects of food-plants on 1032*Phanerotoma flavitesticata*

effects of 2196

pathogenicity of 631

Pieris brassicae 3141*P. rapae*, effects of 3142*Pimpla instigator*, effects of 6006*Spodoptera litura*

effects of 886

resistance to 6343

Trichoplusia ni, bioassay of 2120

insect control using 988

phages in, in China 3146

spores of, fluorochromes for increasing

UV resistance of 486

sporulation and crystal-building in 5735

toxin crystals of

not affected by γ -irradiation 2197

not affected by UV-irradiation 2197

toxins of, standardisation of formulations of 2215

use of, ecological aspects of 3167

with acephate

against

*Choristoneura fumiferana*on *Abies* 5671on *Picea* 5671

compatibility of 3293

with carbaryl, against, *Adelphocoris**lineolatus*, on lucerne 6081with carbon, in *Juniperus virginiana*,

persistence of 2120

with carbon, and molasses, in *Juniperus**virginiana*, persistence of 2120

with chitinase

against

*Choristoneura fumiferana*on *Abies* 7428, 7435on *Abies balsamea* 495with DDT, against, *Zeiraphera diniana*,on *Larix* 6911

with emulsifiers, compatibility of 3293

with β -exotoxin, against, *Zeiraphera**diniana*, on *Larix* 6911

with fenitrothion

against

*Choristoneura fumiferana*on *Abies* 5671on *Picea* 5671

compatibility of 3293

with monocrotophos, against, *Spodoptera**littoralis* 961

with nuclear polyhedrosis virus, against,

Spodoptera litura 6889with phosalone, against, *Adelphocoris**lineolatus*, on lucerne 6081with phosphamidon, against, *Adelphocoris**lineolatus*, on lucerne 6081

with resmethrin, compatibility of 3293

***Bacillus thuringiensis* contd.**

with tetrachlorvinphos

against, *Cydia pomonella* 2864

compatibility of 3293

with trichlorphon

against

Adelphocoris lineolatus, on lucerne

6081

Spodoptera littoralis 961***Bacillus thuringiensis* var. *aizawai***against, *Spodoptera litura* 3849

chitinolytic and lipolytic activity of 5083

in, *Bombyx mori*, effects of pH on

pathogenicity of 4473

sporeless mutants of 2223

Bacillus thuringiensis* var. *alesti

against

Lymantria dispar, on *Quercus* 2251,

3816

Malacosoma neustria 2251*Tortrix* spp. 2251

chitinolytic and lipolytic activity of 5083

 δ -endotoxin of, mode of action of 1580

sporeless mutants of 2223

***Bacillus thuringiensis* var. *canadiensis*,**

chitinolytic and lipolytic activity of

5083

Bacillus thuringiensis* var. *darmstadiensis

chitinolytic and lipolytic activity of 5083

photoinactivation of, substances

preventing 2214

Bacillus thuringiensis* var. *dendrolimus

against

Adelphocoris lineolatus, on lucerne

6081

Heliothis armigera 3855

on cotton 6182, 6920

H. virescens 3855*Lymantria dispar*, on *Quercus* 3816

Noctuidae, on cotton 6182

Spodoptera exigua 3855

on cotton 6182

Tortrix viridana 7422

chitinolytic and lipolytic activity of 5083

classification of strains of 5081

in

Bombyx mori, effects of food-plant on

susceptibility to 4459

Pieris rapae, effects of food-plant on

susceptibility to 4459

predatory insects, not pathogenic 6920

Spodoptera exigua, effects of food-plant

on susceptibility to 4459

S. littoralis, effects of food-plant on

susceptibility to 4459

with carbaryl, against, *Adelphocoris**lineolatus*, on lucerne 6081with phosalone, against, *Adelphocoris**lineolatus*, on lucerne 6081with phosphamidon, against, *Adelphocoris**lineolatus*, on lucerne 6081

Bacillus thuringiensis* var. *dendrolimus

contd.

with trichlorophon

against

Adelphocoris lineolatus, on lucerne
6081*Tortrix viridana* 7422***Bacillus thuringiensis* var. *entomocidus***against, *Lymantria dispar*, on *Quercus*

3816

chitinolytic and lipolytic activity of 5083

***Bacillus thuringiensis* var. *finitimus*,**

chitinolytic and lipolytic activity of

5083

Bacillus thuringiensis* var. *galleriae

against

Adelphocoris lineolatus, on lucerne
6081*Agrotis segetum* 5736*Aporia crataegi* 5551*Cydia pomonella*, on apple 3622,
3624, 6107*Dictyoploca japonica*, on hazel 7431*Heliothis armigera*, on cotton 6920*Hyphantria cunea* 5745*Lacanobia oleracea* 1598*Leptinotarsa decemlineata* 7648*Lobesia botrana*, on grapevine 6094*Lymantria dispar*, on *Quercus* 3816*Mamestra brassicae*, on cabbage 7341*Operophtera brumata*, on apple 2875*Pieris brassicae*, on cabbage 7340*P. rapae*, on cabbage 7340*Plutella xylostella*, on cabbage
7340-7341*Schizura concinna*, on *Cercis*
occidentalis 1320

chitinolytic and lipolytic activity of 5083

classification of strains of 5081

in

Agathis rufipes, not pathogenic 6020*Ascogaster quadridentata*, not
pathogenic 6020

Lepidoptera, in Bulgaria 5736

predatory insects, not pathogenic 6920

with carbaryl

against, *Adelphocoris lineolatus*, on
lucerne 6081in *Agathis rufipes*, not pathogenic
6020in *Ascogaster quadridentata*, not
pathogenic 6020with dimethoate, against, *Cydia*
pomonella, on apple 6020with fenitrothion, against, *Cydia*
pomonella, on apple 6020with formothion, against, *Cydia*
pomonella, on apple 6020with trichlorophon, against, *Cydia*
pomonella, on apple 6020***Bacillus thuringiensis* var. *galleriae* contd.**

with fenitrothion

against

Cydia funebrana, on plum 5550*C. pomonella*, on apple 5550

with methyl-parathion

against

Cydia pomonella, on apple 3624*Lobesia botrana*, on grapevine 6094

with phosalone

against

Adelphocoris lineolatus, on lucerne
6081*Cydia funebrana*, on plum 5550*C. pomonella*, on apple 5550

with phosmet

against

Cydia funebrana, on plum 5550*C. pomonella*, on apple 5550with phosphamidon, against, *Adelphocoris*
lineolatus, on lucerne 6081

with tetrachlorvinphos

against

Cydia funebrana, on plum 5550*C. pomonella*, on apple 3624, 5550

with trichlorophon

against

Adelphocoris lineolatus, on lucerne
6081*Cydia pomonella*, on apple 6107*Hyphantria cunea* 5980*Lobesia botrana*, on grapevine 6094*Mamestra brassicae*, on cabbage
7343*Pieris brassicae*, on cabbage 7343***Bacillus thuringiensis* var. *gelechiae*,**exotoxin of, detoxified by insect gut
phosphatases 1595***Bacillus thuringiensis* var. *kenyae***

against

Agrotis segetum 5736*Lymantria dispar*on *Populus* 3815on *Quercus* 3815

chitinolytic and lipolytic activity of 5083

classification of strains of 5081

in, Lepidoptera, in Bulgaria 5736

Bacillus thuringiensis* var. *kurstaki

against

Adelphocoris lineolatus, on lucerne
6081*Agrotis segetum* 5736*Choristoneura fumiferana*, on *Abies*
7428*Cryptoblabes gnidiella*, on avocado
6743*Diatraea saccharalis*, on sugar-cane
269*Ephestia cautella* 7466

in stored wheat 3790

Erinnyis ello, on *Hevea brasiliensis*
3734

***Bacillus thuringiensis* var. *kurstaki* contd.**

against contd.

forest pests 6819

Heliothis spp., on cotton 4374*Hemerocampa pseudotsugata*on *Abies* 1521on *Pseudotsuga* 1521*Herpetogramma phaeopteralis*, on*Cynodon dactylon* 2822*Homoeosoma electellum*, on sunflower
2986

insect pests 6918

Lacanobia oleracea 1598*Leptinotarsa decemlineata* 7648*Lymantria dispar* 423, 3750*Operophtera brumata*, on *Quercus*
6904*Pieris brassicae*, on cauliflower 5080*P. rapae*, on cabbage 1441*Plodia interpunctella* 4435, 7466

in stored wheat 3790

Plutella xylostella, on cabbage 1441*Pristiphora abietina*, on *Picea* 5657*Rhyacionia frustrana*, on *Pinus* 4413*Schizura concinna*, on *Cercis**occidentalis* 1320, 7484*Sitotroga cerealella* 7466*Spodoptera litura* 886*Tortrix viridana*, on *Quercus* 6904*Trichoplusia ni*, on cabbage 1441

chitinolytic and lipolytic activity of 5083

effective dose of, viable spore count as

index of 7484

in

Anagrus fusciventris, not pathogenic
6743*Cardiochiles nigriceps*, effects on life-
span of 964*Cercis occidentalis*, persistence of 470,
2209–2210*Eucalyptus globulus*, persistence of
2210

forests

non-target effects of 3750

not affecting earthworms 2233

grain beetles, dispersal of 5729

Hungariella peregrina, not pathogenic
6743*Juglans regia*, persistence of 2210

Lepidoptera, in Bulgaria 5736

Ostrinia nubilalis, in Iowa 7485*Pseudococcus longispinus*, not
pathogenic 6743*Quercus*, persistence of 6904*Q. agrifolia*, persistence of 2210*Spodoptera litura*, effects of 886*Trichogramma cacoeciae*, not
pathogenic 6328

parasporal crystals of 959

with acephate

against

Choristoneura fumiferana 3292***Bacillus thuringiensis* var. *kurstaki* contd.**

with acephate contd.

against contd.

Choristoneura fumiferana contd.on *Abies* 5671on *Picea* 5671*Hemerocampa leucostigma* 3292with carbaryl, against, *Adelphocoris**lineolatus*, on lucerne 6081with chitinase, against, *Choristoneura**fumiferana*, on *Abies* 7428

with chlordimeform

against

Keiferia lycopersicella 882*Pieris rapae*, on cabbage 1441*Plutella xylostella*, on cabbage 1441*Trichoplusia ni*, on cabbage 1441with demeton, against, *Keiferia**lycopersicella* 882with diazinon, against, *Keiferia**lycopersicella* 882with dimethoate, against, *Adelphocoris**lineolatus*, on lucerne 6081

with fenitrothion

against

Choristoneura fumiferana 3292on *Abies* 5671on *Picea* 5671*Hemerocampa leucostigma* 3292

with fumigants, compatibility of 4435

with oil emulsion, against, *Malacosoma*
disstria 4416with phosalone, against, *Adelphocoris**lineolatus*, on lucerne 6081

with resmethrin

against

Choristoneura fumiferana 3292*Hemerocampa leucostigma* 3292

with tetrachlorvinphos

against

Choristoneura fumiferana 3292*Hemerocampa leucostigma* 3292with trichlorphon, against, *Adelphocoris**lineolatus*, on lucerne 6081***Bacillus thuringiensis* var. *morrisoni***

against

*Lymantria dispar*on *Populus* 3815on *Quercus* 3815

chitinolytic and lipolytic activity of 5083

***Bacillus thuringiensis* var. *ostrinae*, var. n.**

5081

Bacillus thuringiensis* var. *sottoagainst, *Lymantria dispar*, on *Quercus*

3816

sporeless mutants of 6894

Bacillus thuringiensis* var. *subtoxicus

against

*Lymantria dispar*on *Populus* 3815on *Quercus* 3815–3816

chitinolytic and lipolytic activity of 5083

- Bacillus thuringiensis** var. *thompsoni*,
chitinolytic and lipolytic activity of
5083
- Bacillus thuringiensis** var. *thuringiensis*
against
 Agrotis segetum 5736
 Chilo suppressalis 5073
 Heliothis spp., on cotton 4374
 H. armigera 468
 Lymantria dispar
 on *Populus* 3815
 on *Quercus* 3815-3816
 Operophtera brumata, on *Quercus*
 6904
 Pieris rapae, on cabbage 1441
 Plutella xylostella, on cabbage 1441
 Schizura concinna, on *Cercis*
 occidentalis 1320
 Tetranychus urticae 7659
 Tortrix viridana, on *Quercus* 6904
 Trichoplusia ni, on cabbage 1441
chitinolytic and lipolytic activity of 5083
classification of strains of 5081
in
 Achaea janata, effects of 6342
 Bombyx mori, effects of food-plant on
 susceptibility to 4459
 Cercis occidentalis, persistence of 470
 Cydia pomonella, effects on fecundity of
 4460
 forests, not affecting earthworms 2233
 Lepidoptera, in Bulgaria 5736
 Papilio demoleus, effects of 1591
 Pieris rapae, effects of food-plant on
 susceptibility to 4459
 Plodia interpunctella, age-related
 changes in resistance to 3150
 Plutella xylostella, effects on amino
 acids of 3125
 Quercus, persistence of 6904
 Q. agrifolia, persistence of 470
 Spodoptera exigua, effects of food-plant
 on susceptibility to 4459
 S. littoralis, effects of food-plant on
 susceptibility to 4459
 Trichogramma cacoeciae, not
 pathogenic 6328
in rice-fields, non-target effects of 710
phages in, resistance to 3146
sporeless mutants of 6894
with monocrotophos, against, *Spodoptera*
 littoralis 1637
with trichlorphon, against, *Spodoptera*
 littoralis 1637
- Bacillus thuringiensis** var. *tolworthi*,
chitinolytic and lipolytic activity of
5083
- Bacillus thuringiensis** var. *toumanoffi*,
chitinolytic and lipolytic activity of
5083
- Bacillus thuringiensis** var. *wuhanensis*
against, *Pieris brassicae* 6892
- Bacillus thuringiensis** var. *wuhanensis*
contd.
in, *Anomis flava*, in China 6892
- backlundii**, *Dnopherula*
- Bacteria**
DDT in, metabolism of 2645, 6419
EPPO quarantine lists for 3875
in
 Autographa gamma, in Yugoslavia
 3138
 Choristoneura fumiferana, and
 biological control using, in North
 America 6836
 Euproctis similis, in Yugoslavia 5739
 insects, in Puerto Rico 3137
 Leptinotarsa decemlineata, effects of
 489
 Noctuidae, biological control with, in
 USSR 3855
 soil, effects of aldicarb on 7664
 Tipulidae, in UK 7589
 1-naphthalenol in, metabolism of 1706
 soil fungi in, pathogenicity of 227
- Bactospeine** (see *Bacillus thuringiensis* var.
thuringiensis)
- Bactospeine Crème** (see *Bacillus*
thuringiensis)
- Bactospeine P.M.** (see *Bacillus*
thuringiensis)
- Bactra minima minima**
biology of 1322
in India 1322
on *Cyperus rotundus*
and biological control using 1322
in India 1322
- Bactra venosana**
biology of 1322
in India 1322
on *Cyperus rotundus*
and biological control using 1322
in India 1322
- bactriana**, *Entylia* (see *E. carinata*)
- Bactromyia aurentia**
biology of 6818
in USSR 6818
parasitised by, Chalcidoidea, in Ukraine
6818
parasitising, *Yponomeuta rorellus*, in
Ukraine 6818
- Baculovirus**
in
 Archips cerasivoranus, in Quebec 956
 Cydia pomonella, transmitted by mites
 5733
 Galleria mellonella
 effects of UV-irradiation on 4477
 infectivity of 6334
 Lymantria dispar, release and envelope
 acquisition by 4479
 pest control using 6912
 safety of 6912
 viral envelope in 1579

- Baculovirus heliothis**
formulations of 7521
in
 Heliothis zea, effects of solubilisation on
 activity of 3145
 Macaca mulatta, effects of 3154
bada, *Baoris guttatus* (see *Parnara naso*
 bada)
bada, *Parnara naso*
badius, *Odontotermes*
badius, *Pogonomyrmex*
Bagasse, diet component for, *Anastrepha*
 suspensa 3218
Bagous, on *Hydrilla verticillata*, in Pakistan
 2749
Bagous limosus 2749
Bagrada cruciferarum (see *B. hilaris*)
Bagrada hilaris
 control of, insecticides for 858, 2047,
 4269, 4932, 7339
 in India 353, 858, 2048, 4269, 4932,
 7339
 in Pakistan 1338, 2048
 life history of 2048
 on cabbage
 in Delhi 7339
 in Rajasthan 4932
 on *Capparis spinosa*, in Pakistan 2048
 on cauliflower, in Delhi 7339
 on crucifers, in Pakistan 1338
 on mustard
 in Delhi 858
 in Pakistan 2048
 in Uttar Pradesh 353
 on *Pennisetum typhoides*, in Punjab
 4269
 on rape, in Uttar Pradesh 353
 on wheat, in Pakistan 1338
- Bahamas**
 Diatraea centrella in, on sugar-cane 229
 D. lineolata in, on sugar-cane 229
 Neodiprion merkei in, on *Pinus* 5377
 sugar-cane in, insect pests of 7222
- bahiensis**, *Anastrepha*
Bairozil (see *Quinalphos*)
Bajra (see *Pennisetum typhoides*)
bajulus, *Hylotrupes*
bakeri, *Hemicheyletia*
Bakers' yeast, diet component for, *Agrotis*
 segetum 6572
bakkeri, *Aceria*
Bako malayanus
 in Thailand 1200
 on grasses, in Thailand 1200
- bala**, *Sliochia*
Balaninus elephas (see *Curculio*)
Balaninus glandium (see *Curculio*)
Balaninus nucum (see *Curculio*)
Balaninus venosus (see *Curculio*)
Balanococcus orientalis
 sp. nov., description of 7009
 in USSR 7009
- Balanococcus orientalis** contd.
 on *Carex macrocephala*, in Sakhalin
 7009
- Balanogastrius kolae**
 between-season survival in 1411
 control of 2003
 in Nigeria 1411, 2003
 in kola nuts, in West Africa 941
 on *Cola*
 in Nigeria 1411
 in West Africa 4245
 on *Cola nitida*, in Nigeria 2003
- Balaustium dowelli**
 in USA 4803
 preying on, Tetranychidae, in Missouri
 4803
- Balclutha**
 on *Panicum antidotale*, in Rajasthan
 6595
 on *Pennisetum typhoides*, in Delhi 6057
- Balclutha hebe**
 in Egypt 4168
 traps for 4168
- Balclutha neglectus** (see *Nesosteles*)
- Baliothrips biformis**
 biology of 6687
 control of, timing of treatments for 6687
 in Bangladesh 4854
 in China 6687
 in India 4857
 on *Leersia japonica*, in Kiangsu Province
 6687
 on rice
 in Bangladesh 4854
 in Kiangsu Province 6687
 in Tamil Nadu 4857
 resistance to 4857
- balli**, *Cuernia*
Balm (see *Melissa officinalis*)
Balsa wood, *Dermites maculatus* in,
 imported into West Germany 1531
- balteata**, *Diabrotica*
balteatus, *Episyrphus*
 (*Syrphus*)
balteatus, *Leptoglossus*
Balyana
 on coconut, in Malagasy Republic 5540
 parasites of, in Malagasy Republic 5540
- Bamboo** (see also *Phyllostachys*)
Banana
 Antichloris viridis on
 in Central America 2350
 in South America 2350
 Caligo spp. on, in Colombia 3540
 Castnia licus on, in Surinam 310
 Chaetanaphothrips signipennis on 4596
 in Queensland 2902
 Colaspis blakeae on, in Colombia 4918
 C. gemellata on 4918
 C. hypochlora on 4918
 C. ostmarki on 4918
 C. submetallica on 4918

Banana contd.

- Cosmopolites sordidus* on
in Costa Rica 2905
in Ecuador 684
in New South Wales 2903
in Peru 1434
in Puerto Rico 2904
in Queensland 2902
in Uganda 343
- Erionota thrax* on
damage caused by 726
in Java 726
- Frankliniella parvula* on, in Mexico 902,
1435
- Hermetia illucens* on
damage caused by 2032
in Panama 2032
- Lapaemides dedalus* on 310
- Nacoleia octasema* on, in Queensland
2906
- Odoiporus longicollis* on, in India 2033
- Oiketicus kirbyi* on, in Brazil 7329
- Oryctes rhinoceros* on, rearing of 5929
- pests of, in Bangladesh 4180
- Stephanitis typica* on, in Thailand 1200
- Temnoschoita* spp on 1385
- Thrips florum* on, in Queensland 2902
- Banana bunchy top virus**, in, *Pentalonia nigronervosa*, transmission of 344
- Banhus flavescens***, parasitising,
Trichoplusia ni 5273
- Bangladesh**
agriculture in, entomological problems of
4180
aphids in 2355
Baliothrips biformis in, on rice 4854
Orseolia oryzae in, on rice 4854
rice stalk-borers in, natural enemies of
3595
Sitotroga cerealella in, in stored rice
5711
stem borers in, on rice 4854
termites in 3561
- banian, Hieroglyphus**
banksianae, *Conophthorus*
banksianae, *Neodiprion pratti*
- Baoris guttatus bada*** (see *Parnara naso bada*)
- Bapta bimaculata*** (see *Lomographa*)
- Barathra brassicae*** (see *Mamestra*)
- Barbados, *Elasmopalpus lignosellus*** in, on
sugar-cane 1304
- Barbarea vulgaris***
Brevicoryne barbareae on, in Himachal
Pradesh 7135
Erysimum latent virus in, infectivity of
6146
Hylemya brassicae on, development of
3565
- barbareae*, *Brevicoryne***
***barbarus*, *Pterostichus*, (*Orthomus*)**
barbatus*, *Pogonomyrmex
barberi*, *Pselliopus
***barbistrostris*, *Rhinostomus*, (*Rhina*)**
Barichneumon saturatorius (see
Vulgichneumon)
- Bark beetles** (see *Scolytidae*)
- Barleria cristata*, *Habrochila laeta*** on, in
Tamil Nadu 3733
- Barley (*Hordeum* spp.)**
- Barley, *Aceria tosichella*** on 2325
- Barley**
Acrida bicolor on, colour development in
2689
Acyrtosiphon dirhodum on
in Chile 688
in West Germany 5487
varietal preferences of 4251
Aelia spp. on, in Bulgaria 1347
Agrotis segetum on, in Iran 1340
aphids on, in UK 4254
barley yellow dwarf virus in
aphid transmission of 3110
in Canada 6041
in Chile 7479
in East Germany 2785
in Turkey 6038
barley yellow stripe, causal agent in, in
Turkey 6038
Brachycolus spp. on, toxemia caused by
6038
cereal tillering disease, causal agent in, in
Sweden 3803
Chlorops mugivora on, in Japan 5840
Cicadulina chinai on, development of
4828
cotton insects on, in Arizona 3714
DDT in, residues of 5210
Diptera on
in Romania 2769
resistance to 2769
diseases of, in Europe 2770
Elateridae on, in England 4827
Eurygaster spp. on
in Bulgaria 1347
in Turkey 2775
Euscelis plebeja on, histoid enations
associated with 6038
Harpalus tridens on 1358
insect resistance in 6377
Javesella pellucida on 3803
Lachnosterna consanguinea on, in
Rajasthan 999
Laodelphax striatella on, in South Korea
4132
Lema gallaeciana on
damage caused by 2773
in Poland 2772-2773
Macrosiphum avenae on 1677
in Canada 6041
in South Dakota 1344
in West Germany 5487
varietal preferences of 4251

Barley contd.

- Mythimna separata* on, in New Zealand 3188
 - Oria musculosa* on 270
 - in Iran 2787
 - Oscinella frit* on, in Bulgaria 7230
 - O. pusilla* on, in USSR 5488
 - Oulema melanopus* on
 - damage caused by 2773
 - in Bulgaria 272
 - in Poland 2772-2773
 - in Yugoslavia 1343
 - resistance to 5754
 - pea enation mosaic virus in, aphid transmission of 3112
 - pest control on, in Wyoming 2259
 - pests of, in Europe 2770
 - phorate in, metabolism of 3920
 - Rhopalosiphum maidis* on
 - in Canada 6041
 - in South Dakota 1344
 - R. padi* on 1677
 - damage caused by 6672
 - in Canada 6041
 - in South Dakota 1344
 - in USSR 6672
 - in West Germany 5487
 - Schizaphis graminum* on
 - damage caused by 6672
 - development of 6697
 - in Canada 6041
 - in South Dakota 1344
 - in USSR 6672
 - Sipha kurdjumovi* on, distribution pattern of 278
 - Syringopais temperatella* on, in Cyprus 2786
 - Tetramesa hordei* on
 - in Prince Edward Island 4258
 - resistance to 4258
 - Thrips tabaci* on tobacco crops preceded by 2100
 - Toya propinqua* on, toxemia caused by 6038
 - virus diseases of, in Israel 6324
 - wheat streak mosaic virus in, mite transmission of 3804
 - wheat striate mosaic virus (European) in, in Turkey 6038
- Barley fields**
- Carabidae in, in West Germany 6007
 - invertebrates in, effects of direct drilling on 4827
 - predatory arthropods in
 - in England 4772
 - in UK 4254
- Barley grits, *Sitophilus granarius* feeding responses to 5063**
- Barley (stored grain)**
- Acarus farris* in, in England 1561
 - A. siro* in, in England 1561
 - Alphitobius diaperinus* in 6314

Barley (stored grain) contd.

- arthropods in, in Yugoslavia 6853
 - carbon disulfide in, effects on germination of 3798
 - dichlorvos in, effects on cytogenetics of 4573
 - Glycyphagus destructor* in, in England 1561
 - insecticides in, determination of 1827
 - mites in
 - effects of cooling on 5411
 - effects of mechanical handling on 1561
 - pest control in, pirimiphos-methyl for 5411
 - phosphine in, effects on germination of 3798
 - Rhyzopertha dominica* in, resistance to 6867
 - Sitophilus granarius* in, in Northern Ireland 5978
 - S. oryzae* in, resistance to 6867
 - S. zeamais* in
 - effect of sub-drying on 3099
 - in Japan 3099
 - Tribolium destructor* in, feeding preferences of 6305
 - Trogoderma variabile* in 1160
 - Tyrophagus longior* in, in England 1561
- Barley straw, DDT in, residues of 5210**
- Barley yellow dwarf virus 7250, 7687**
- control of 4872
 - in
 - aphids, in Canada 6041
 - barley
 - aphid transmission of 3110
 - in Canada 6041
 - in Chile 7479
 - in East Germany 2785
 - in Turkey 6038
 - grain crops, in Wales 4872
 - Lolium* spp., in UK 6703
 - Macrosiphum avenae*, transmission of 3115, 3577, 5721, 7479
 - oats 2785
 - aphid transmission of 3110
 - effects of 3577
 - in Canada 6041
 - in Finland 7227
 - in Turkey 6038
 - Rhopalosiphum maidis*, transmission of 3110, 3577, 6038, 6041
 - R. padi*, transmission of 2785, 3110, 3115, 4872, 5721, 6038, 6041, 7227
 - Sipha kurdjumovi*, transmission of 6038
 - wheat
 - effects of 3577
 - in Chile 7479
 - in Turkey 6038
 - vector specificity in 5721

Barley yellow stripecausal agent
in

- barley, in Turkey 6038
- Euscelis plebeja*, transmission of 6038
- oats, in Turkey 6038
- wheat, in Turkey 6038

barneyi, Macrotermes**barretti, Incisitermes***Barylpa*, in Palaearctic region 5229*Barylpa formosa* 5229*Barylpa rossica* 5229**Barylpa torquata**sp. nov., description of 5229
in USSR 5229**Barypus clivinooides**in Argentina 774
preying on, Scarabaeoidea, in Argentina 774**basalis, Dinarmus****basalis, Trissolcus****basicurvus, Trioxys***Basidiobolus ranarum*, growth and sporulation in, effects of carbon nutrition on 6879**Basidiomycetes**in
timber, effects on termites of 7210
wood, effects on termites of 4234**basilaris, Xylobiops****basilewskyi, Heteronychus***Basilianus indicus* (see *Episphenus*)*Basilianus neelgherriensis* (see *Episphenus*)**basizonus, Pleolophus****basqueella, Stegasta***Bassia longifolia* (see *Madhuca*)*Basswood* (see *Tilia americana*)*Bastardia, Heliothis virescens* on, in Virgin Islands 2942*Basudin* (see *Diazinon*)**batesi, Othnonius***Bathurin* (see *Bacillus thuringiensis* var. *thuringiensis*)**Bathycoelia bequaerti**in Kenya 4303
on *Macadamia*
damage caused by 4303
in Kenya 4303*Bathycoelia natalicola* (see *B. bequaerti*)**Bathyplectes**in Palaearctic region 5235
taxonomy of 5235**Bathyplectes anurus**biology of 5914
in Iran 5914
in USA 1372, 2734
in lucerne fields
distribution pattern of 2734
in Kentucky 2734**Bathyplectes anurus contd.**

parasitising

Hypera postica

in Iran 5914

in Kentucky 1372

Bathyplectes curculionis

biology of 5914

in Canada 6079

in Iran 5914

in USA 189, 652, 1372, 1374, 2734, 5440, 6633, 7197

in lucerne fields

distribution pattern of 2734

in Kentucky 2734

insecticides in, toxicity of 4883

mortality in 5443

parasites of, in Wyoming 189

parasitised by

Eupteromalus americanus, in Colorado 5440*Gelis* spp.

in Indiana 652

in Wisconsin 7197

Mesochorus agilis, in Wisconsin 7197*Sceptrothelys grandiclava*, in Wisconsin 7197

parasitising

Hypera brunneipennis, in California 4293*H. postica* 4883

defence mechanisms against 6633

in Colorado 5440

in Indiana 652

in Iran 5914

in Kentucky 1372

in Oklahoma 6633

in Quebec 6079

in Utah 1374

in Wisconsin 7197

in Wyoming 189

taxonomy of 5235

Bathyplectes curculionis var. 1, parasitising,*Hypera postica* 5235**Bathytricha truncata**

distribution of 1958

on rice 1958

Batrachedra, preying on, *Quadraspidiotus**macroporatus*, in Japan 785**Batrachedra amydraula**

biology of 4301

in Israel 4301

on date palm

damage caused by 4301

in Israel 4301

batrachopa, Cryptophlebia*Batracomorphus*, taxonomy of, *Eurinoscopus* as synonym of 6442**Baicaliotermes hainesi**

biology of 1310

in South Africa 1310

Bauhinia purpurea, Achaea janata on, in Karnataka 6772

- Baycid** (see Fenthion)
- Bayer 5712a** (see Tolyfluanid)
- Bayer 5979**
against
 Leptinotarsa decemlineata, on potato 374
 Tetranychus urticae 514
- Bayer 6189** (see Isofenphos)
- Bayer 38156** (see Phosphonodithioic acid, ethyl-, *O*-ethyl *S*-(4-methylphenyl) ester)
- Bayer 77049** (see Quinalphos)
- Bayer 77488** (see Phoxim)
- Bayer 92114** (see Isofenphos)
- Bayer 93820** (see Benzoic acid, 2-[(aminomethoxyphosphinothioyl)oxy]-, 1-methylethyl ester)
- Baygon** (see Propoxur)
- Bayrusil** (see Quinalphos)
- Baythion** (see Phoxim)
- Bdella**, preying on, *Tetranychus truncatus*, in Taiwan 2909
- Bdelldes lapidarius** (see *Biscirus*)
- Bean**
 Acanthomia tomentosicollis on, in Tanzania 510
 Agrotis ipsilon on, in New Zealand 3515
 Amblyseius fallacis on, unable to feed on leaves 4228
 azinphos-methyl in
 metabolism of 6974
 translocation of 6974
 Bemisia tabaci on, in Brazil 4939
 Epilachna varivestis on
 damage caused by 5603
 in USA 5603
 millepedes on, in UK 4749
 pest control on
 in Poland 6757
 in UK 3272
 in Wyoming 2259
 phorate in, metabolism of 3920
 phosfolan in, translocation of 6988
 Tetranychus urticae on 2278
 Trialeurodes vaporariorum on 5344
- Bean, adzuki** (see *Phaseolus angularis*)
- Bean, azuki** (see *Phaseolus angularis*)
- Bean, bonavist** (see *Dolichos lablab*)
- Bean, broad** (see *Vicia faba*)
- Bean, climbing** (see *Dolichos lablab*)
- Bean, cluster** (see *Cyamopsis tetragonoloba*)
- Bean common mosaic virus**
in
 Aphis gossypii, transmission of 6878
 Myzus persicae, transmission of 6878
 Phaseolus vulgaris
 in Austria 7351
 in Uttar Pradesh 6878
- Bean, country** (see *Dolichos lablab*)
- Bean, dwarf** (see *Phaseolus vulgaris*)
- Bean dwarf mosaic**, (caused by bean yellow mosaic virus) 154
- Bean, field** (see *Vicia faba*)
- Bean fields**, insecticides in, non-target effects of 4939
- Bean, French** (see *Phaseolus vulgaris*)
- Bean golden mosaic virus**
in
 Bemisia tabaci, transmission of 154
 Phaseolus, in Brazil 154
- Bean, horse** (see *Vicia faba*)
- Bean, hyacinth** (see *Dolichos lablab*)
- Bean, kidney** (see *Phaseolus vulgaris*)
- Bean, lablab** (see *Dolichos lablab*)
- Bean leaf roll virus**
in
 aphids, transmission of 4295
 lucerne 4295
- Bean, Lima** (see *Phaseolus lunatus*)
- Bean, moth** (see *Phaseolus aconitifolius*)
- Bean, mung** (see *Vigna mungo*, *Vigna radiata*)
- Bean, pinto** (see *Phaseolus vulgaris*)
- Bean, snap** (see *Phaseolus vulgaris*)
- Bean, soy** (see Soy bean)
- Bean (stored seeds)**
 carbon disulfide in, effects on germination of 3799
 diet component for, *Cydia pomonella* 3253-3254
 insects associated with, in Maharashtra 1549
 pest control in, bromophos for 6279
 phosphine in, effects on germination of 3799
 Plodia interpunctella in, in Bulgaria 2166
- Bean vein-banding mosaic virus**
 hosts of 2187
in
 Aphis craccivora, transmission of 2187
 A. gossypii, transmission of 2187
 Dactynotus ambrosiae, transmission of 2187
 Phaseolus vulgaris, in Puerto Rico 2187
- Bean yellow mosaic virus**
in
 aphids, transmission of 4295
 Bemisia tabaci, transmission of 154
 lucerne 4295
 Myzus persicae, transmission of 7480
 pea, in New South Wales 1451
 Phaseolus
 in Brazil 154
 in New South Wales 1451
 P. vulgaris
 in Austria 7351
 in Chile 7480
- Beard-tongue** (see *Pentstemon laevisgatus*)
- beatus**, *Ootetrastichus*
- Beauveria**
in
 Cydia pomonella, in New Zealand 1423

Beauveria contd.

in contd.

Heteronychus arator, in New Zealand 3134

insects, pathogenicity of 5092

Thyridopteryx ephemeraeformis, in Georgia (USA) 2735**Beauveria bassiana**

against

Acanthoscelides obtectus 2225*Anomala cuprea* 4469*Cydia pomonella*, on apple 3625*Heliothis zea* 4472*Heptophylla picea* 4469*Hylobius abietis* 3071*Lacanobia oleracea* 1598*Leptinotarsa decemlineata* 3153, 7648

on potato 2960, 5746

Maladera castanea 4469*Oryctes rhinoceros* 2218*Otiorynchus sulcatus* 5542*Sitona* spp., on lucerne 5529*Thyridopteryx ephemeraeformis* 963

conidiospores of, effects of outdoor storage on 4472

culture media for 2217

fungicides in, effects of 4533
in*Bombyx mori* 4469*Chilo auricilius*, in Orissa 6694*Cnaphalocrocis medinalis*, infectivity of 6694*Cnephasia pasiuana*, in Bulgaria 271*Curculio caryae*

in Arkansas 3824

in Mississippi 3824

Cydia pomonella 5529

in Austria 3252

in USSR 7483

infectivity of, effects of ascorbic acid on 136

Dinara combusta, pathogenicity of 255*Galleria mellonella*, infectivity of 207*Hieroglyphus* spp., infectivity of 6694*Hoplocampa testudinea*, in Byelorussia 6010*Leptinotarsa decemlineata*, development of infection with 489*Leucophlebia lineata*, pathogenicity of 255*Lymantria dispar*, infectivity of 207*Mimela costata*, in Japan 4469*Nephotettix virescens*, in Orissa 6694*Oxya* spp., infectivity of 6694*Parnara* spp., in Orissa 6694*Patanga succincta*, pathogenicity of 255*Plecia nearctica*, in Florida 3132*Scirpophaga incertulas*, in Orissa 6694*Sesamia inferens*, infectivity of 6694*Zeuzera pyrina*, in Crimea 5997**Beauveria bassiana contd.**with azinphos-ethyl, against, *Leptinotarsa decemlineata*, on potato 2963

with carbaryl

against

Cydia pomonella, on apple 3625*Leptinotarsa decemlineata*, on potato 2963with DDT, against, *Leptinotarsa decemlineata*, on potato 2963with methyl-parathion, against, *Cydia pomonella*, on apple 3625with parathion, against, *Ostrinia nubilalis*, on maize 6680with tetrachlorvinphos, against, *Cydia pomonella*, on apple 3625

with trichlorphon

against

Mamestra brassicae, on cabbage 7343*Pieris brassicae*, on cabbage 7343**Beauveria densa** (see *B. tenella*)**Beauveria globulifera**, in, *Cydia pomonella*, in USSR 7483**Beauveria rileyi**, in, *Mamestra brassicae*, in Japan 870**Beauveria tenella**against, *Melolontha melolontha* 1900

fungicides in, effects of 4533

in

Acanthoscelides obtectus, pathogenicity of 2225*Anomala cuprea*, infectivity of 4469*Bombyx mori* 4469*Cydia pomonella*, in USSR 7483*Heptophylla picea*, infectivity of 4469*Maladera castanea*, infectivity of 4469*Melolontha melolontha*, pathogenicity of, relation of lipase activity and 6345*Mimela costata*, in Japan 4469*Oryctes rhinoceros*, not pathogenic 2218**beaveri, Platypus***bechuana*, *Antestiopsis orbitalis**beckii*, *Lepidosaphes**bedeguaris*, *Habrocytus**bedeguaris*, *Torymus**Bedellia somnulentella*

in Japan 779

parasitised by, *Diadegma koizumii*, in Japan 779**Bee** (see Apoidea)**Beebalm, spotted** (see *Monarda punctata*)**Beech** (see *Fagus* and *Nothofagus*)**Beech bark disease** 2156**Beech, oriental** (see *Fagus orientalis*)**Beech, red** (see *Nothofagus fusca*)**Beef, ground**, bait component for, ants 5432**Beehives***Achroia grisella* in 969

Subject Index

Beehives contd.

Galleria mellonella in 969, 2260

Beeswax

diet component for

Eurygaster integriceps 5388

Galleria mellonella 3414, 4801

Beet (*Beta vulgaris*)

acephate in, residues of 2657

Agrotis segetum on, rearing of 6572

Aphis fabae on, in East Germany
5610-5611

arthropod pests of, in East Germany
7160

beet crinkle virus in, in East Germany
5611

beet mild yellowing virus in
in Belgium 2665

in East Germany 5611

beet mosaic virus in, in East Germany
5611

beet yellows virus in

in Belgium 2665

in East Germany 5611

in UK 7580

Bothynoderes punctiventris on 6613

in Bulgaria 7365

in USSR 5467

bromophos in, toxicity of 4963

Chabuata major on, development of
1798

Chaetocnema breviscula on, in Bulgaria
1194

Chaetocnema tibialis on, in Bulgaria
1194

chlordan in, residues of 533

Clivina fossor on, damage caused by
6007

Conorhynchus spp. on

in Central Asia 6755

in Kazakhstan 6755

DDT in, residues of 1050, 5210

diazinon in, effects on sugar content of
5613

disulfoton in, effects on germination of
4963

fosfaman in, effects on sugar content of
5613

Graphosoma lineatum on, rearing of
4813

heptachlor epoxide in, residues of 3315

Loxostege spp. on, in North America
7032

Mamestra brassicae on, in Japan 869

Margaritita sticticalis on, in Ukraine 5402

methamidophos in, residues of 2657

Microcerotermes diversus on, in Iran
7287

Myzus persicae on

development of 5996

in East Germany 5610-5611

in Switzerland 6787

in UK 3679, 7580

Beet contd.

Myzus persicae on contd.

resistance to 7580

Noctuidae on

in Chile 4329

in USSR 6620

Pegomya hyoscyami on, in Spain 2946

P. mixta on, in Egypt 4963

Pemphigus fuscicornis on

effects of fertilizers on 5613

in Krasnodar 369

in Ukraine 6018

pest control on 1608

irrigation for 5612

pests of

in Denmark 5400

in France 2947

in West Germany 6993

phorate in, effects on germination of
4963

Psallidium maxillosum on, in Bulgaria
7365

Thrips flavus on, in Himachal Pradesh
4715

T. tabaci on, in Himachal Pradesh 4715

T. tabaci on tobacco crops preceded by
2100

Tripeuxoa strigata on, in Uruguay 5404

Xestia c-nigrum on, in Japan 869

Beet crinkle virus

in

beet, in East Germany 5611

Piesma quadratum, transmission of,
effects of growth regulators on
3809

Beet curly top virus, in *Neoliturus tenellus*,
transmission of 945

Beet mild yellowing virus

control of, oil emulsions for 2665

in

Acyrtosiphon pisum, transmission of
3117

aphids

in UK 3679

transmission of 2665

Aulacorthum solani, transmission of
3117

beet

in Belgium 2665

in East Germany 5611

Myzus ascalonicus, transmission of
3117

M. persicae, transmission of 3117

sugar-beet

in England 4961

in UK 3679

Beet mosaic virus

control of, maize borders for 2673

in

aphids, transmission of 4295

Aphis fabae, transmission of 5610

beet, in East Germany 5611

Beet mosaic virus *contd.*in *contd.*

lucerne 4295

Myzus persicae, transmission of 5610**Beet (stored roots)**, *Lasioderma serricorne*

in, development of 4096

Beet, sugar (see Sugar-beet)**Beet yellows virus**

control of 7580, 7598–7599

oil emulsions for 2665

in

Acyrtosiphon pisum, transmission of 3117

aphids

in UK 3679

transmission of 2665

Aphis fabae, transmission of 3117*Aulacorthum solani*, transmission of 3117

beet

in Belgium 2665

in East Germany 5611

in UK 7580

Myzus ascalonicus, transmission of 3117*M. certus*, transmission of 3117*M. persicae*, transmission of 3117
sugar-beet

aphid transmission 4348

in England 799, 4348, 4961, 7598

in UK 3679, 7367, 7599

Beggarweed (see *Desmodium*)**begini**, *Diglyphus***Begonia**

Collembola associated with, in Belgium 3028

Heliothrips haemorrhoidalis on, in Bulgaria 3027*Parthenothrips dracaenae* on, in Bulgaria 3027**beirnei**, *Palus***bekiri**, *Diplocolenus***belfragii**, *Teleonemia***Belgium***Acyrtosiphon dirhodum* in, on wheat 821*Acyrtosiphon festucae* in, on wheat 821*Argyresthia thuiella* in 1319

Carabidae in, in forests 1199

Collembola in

in peat 3028

in pine litter 3028

Contarinia nasturtii in

on brussels sprouts 2662

on cauliflower 2662

Hylemya brassicae in

on brussels sprouts 2651

on cauliflower 4066, 5296

H. platura in 2653*Macrosiphum avenae* in, on wheat 821

millepedes in, on sugar-beet 2660

Belgium *contd.*

pear in, pest control on 6733

Rhopalosiphum padi in, on wheat 821*Tetranychus urticae* in 7520*Trialeurodes vaporariorum* in, on tomato 5297**belicosus**, *Macrotermes***belina**, *Gonimbrasia***bella**, *Erythroneura***Bellura gortynoides**

in USA 2205

nuclear polyhedrosis virus in, in Indiana 2205

on *Nuphar advena*, in Indiana 2205**Belostoma indicum**

in India 6643

predatory behaviour in 6643

preying on

fish 6643

Rana tigrina 6643**Belt** (see Chlordane)**Belvosia bicincta**

in Brazil 4807

parasitising

Erinnyis ello, and biological control using, in Brazil 4807*Pachylia ficus*, in Brazil 4807**Bembidion**

activity in 1295

in Poland 1602

in Quebec 1295

in sugar-beet fields, in UK 4347

insecticides in, toxicity of 1602

Bembidion lampros

in Poland 4782

in UK 799, 4347, 4772

in West Germany 6007

in grain fields

effects of insecticides on 6040

in England 4772

in sugar-beet fields, in UK 4347

preying on

aphids, in England 799

Collembola, in UK 4772

Diptera, in UK 4772

Hylemya brassicae, in Poland 4782**Bembidion obtusum**, in West Germany 6007**Bembidion properans**

in Switzerland 5593

preying on, *Delia* spp., in Switzerland 5593**Bembidion quadrimaculatum**

in USA 2705

in West Germany 6007

in maize fields, in Iowa 2705

Bembidion tetracolum, in West Germany 6007**Bemisia citricola**

in Italy 6551

in Spain 6551

on lemon, in Sicily 6551

***Bemisia citricola* contd.**

- on sour orange, in Italy 6551
- on tangerine, in Sicily 6551
- parasitised by, *Eretmocerus roseni*, in Italy 6551

Bemisia tabaci

- bean golden mosaic virus in, transmission of 154
- bean yellow mosaic virus in, transmission of 154
- biology of 3005
- black gram crinkle virus in, transmission of 2049
- control of
 - cultural measures for 3005
 - insecticides for 392, 1458, 1484, 3005, 3707, 4358, 4939, 5640, 6778, 7381, 7478
 - oil emulsions for 1476
- cotton diseases in, transmission of 3000
- Dolichos biflorus* yellow mosaic virus in, transmission of 6155
- feeding behaviour in, apparatus for studying 4167
- food-plants of 5640
- Hibiscus cannabinus* mosaic virus in, transmission of 1575
- in Brazil 154, 4939
- in Egypt 3668, 3690, 3707, 4358
- in India 1458, 1476, 1484, 4952, 6778, 7478
- in Iran 3005
- in Sudan 7381
- in Turkey 5640
- lima bean mosaic virus in, transmission of 3663
- mung bean yellow mosaic virus in, transmission of 4952, 6776
- okra mosaic virus in, transmission of 6145
- on *Althaea*, in Iran 3005
- on bean, in Brazil 4939
- on *Convolvulus*, in Iran 3005
- on cotton
 - damage caused by 3005, 5640
 - in Brazil 154
 - in Egypt 3707, 4358
 - in Iran 3005
 - in Punjab 1484
 - in Turkey 5640
- on eggplant, in Egypt 3690
- on legumes 6768
- on melon, in Iran 3005
- on *Phaseolus*, in Brazil 154
- on potato, in Egypt 3690
- on sesame, resistance to 2980
- on soy bean
 - in Brazil 154
 - in Egypt 3668
 - in India 6778
 - in Punjab 1458
- varietal preference of 3668

***Bemisia tabaci* contd.**

- on tomato
 - in Karnataka 7478
 - in Punjab 1476
 - in Sudan 7381
- on *Trigonella*, in Uttar Pradesh 4952
- parasites of, effects of insecticides on 5640
- Philippine tomato leaf curl virus in, transmission of 883
- predators of, effects of insecticides on 5640
- preyed on by, *Cybocephalus micans* 2721
- seasonal abundance of 3690
- soy bean dwarf mosaic virus in, transmission of 154
- soy bean mosaic virus in, transmission of 154, 1458
- tobacco leaf curl virus in, transmission of 1476, 7381, 7478
- tomato yellow leaf curl virus in, transmission of 3807
- tomato yellow mosaic virus in, transmission of 6177

Bena prasinana

- in USSR 4388
- on *Betula*, in USSR 4388
- Bendiocarb** (2,2-dimethyl-1,3-benzodioxol-4-yl methylcarbamate)
 - against

- Anoplolepis longipes* 5989
- Anthrenus flavipes*, in textiles 3084
- Atomaria linearis*, on sugar-beet 3945
- Blaniulus guttulatus*, on sugar-beet 3945
- Brachydesmus superus*, on sugar-beet 3945
- Tineola bisselliella*, in textiles 3084
- Trialeurodes vaporariorum*, on *Phaseolus* 3937

benefactor, Olesicampe***beneficus, Lyctocoris******bengalensis, Anomala*****Benin (formerly Dahomey)**

- Coccoidea in, on *Citrus* 5100

***Isaniris decorsei* in 3009**

- Benincasa hispida, Poekilocerus pictus* on, in Haryana 7169**

Benlate (see Benomyl)**Benniseed (see Sesame)**

- Benomyl** (methyl [1-[(butylamino)carbonyl]-1*H*-benzimidazol-2-yl]carbamate)
 - adopted as common name in *RAE*, p. 3
 - against

- Cecidophyopsis ribis*, on black currant 1997
- Hylemya brassicae*, on cabbage 1680
- Macrosiphum avenae*, on barley 1677
- Panonychus ulmi*, on apple 5569
- Phyllocoptruta oleivora*, on *Citrus* 2030

Benomyl contd.

against contd.

Pseudopeziza medicaginis, in lucerne
2840*Rhopalosiphum padi*, on barley 1677

Tetranychidae, on apple 5562

Tetranychus urticae

on hop 1337

on *Phaseolus* 983on *Phaseolus vulgaris* 5185

on rose 6651

Venturia inaequalis, on apple 5569antifeedant for, *Hylobius pales* 1520in *Acrostalagus aphidum*, toxicity of
6982in *Agistemus fleschneri*, toxicity of 5562in *Amblyseius fallacis*, toxicity of 5562in *Anthocoris nemorum*, toxicity of 5436in *Anystis baccarum*, toxicity of 6418in apple orchards, effects on mites of
2013in entomopathogenic fungi, effects of
4533in *Nomuraea rileyi*, toxicity of 3823in *Phytoseiulus persimilis*, toxicity of
3655in *Picturaphis brasiliensis*, toxicity of
6982**Bentonite**

as carrier for insecticides 3896

carrier for *Bacillus thuringiensis*
preparations 631in *Apanteles glomeratus*, toxicity of 631in *Phanerotoma flavitesticata*, toxicity of
631**Benzaldehyde**in *Pogostemon heyneanus*, insecticidal
activity of 5057

resmethrin photoproduct 534

Benzaldehyde, 4-hydroxy-3-methoxy-,*Eurygaster integriceps* sex-pheromone
component 5873**Benzaldehyde, 4-methoxy-,** photoproduct of
methoxychlor aniline analogue 3328**Benzamide, N-[(4-chlorophenyl)amino]carbonyl]-2,6-difluoro-** (see Diflubenzuron)**Benzamide, 2,6-dichloro-N-[(4-chlorophenyl)amino]carbonyl]-**
against*Agelastica alni*, on elder 3960*Earias insulana*, on cotton 4365*Lasioderma serricorne* 5768*Leptinotarsa decemlineata*, on potato
3960*Mamestra brassicae*, on brussels sprouts
3960*Operophtera brumata*, on apple 6725*Pectinophora gossypiella* 7593

on cotton 4365

Pieris brassicae, on brussels sprouts
3960*Sitophilus granarius* 5768**Benzamide, 2,6-dichloro-N-[(4-chlorophenyl)amino]carbonyl]-** contd.
against contd.*Sitophilus* contd.*S. oryzae* 5768*Spodoptera littoralis* 7570

on cotton 4365

Stegobium paniceum 5768*Tribolium castaneum* 5768*Yponomeuta padellus*, on *Euonymus*
3960in *Spodoptera littoralis* eggs, not toxic
1666**Benzamide, 2,6-dichloro-N-[(3,4-dichlorophenyl)amino]carbonyl]-**
against*Lasioderma serricorne* 5768*Sitophilus granarius* 5768*S. oryzae* 5768*Stegobium paniceum* 5768*Tribolium castaneum* 5768in *Pieris brassicae*, effects on metabolism
of 3287in *Thaumetopoea pityocampa*, effects on
metabolism of 3287**Benzamide, N-(2,4-dichlorophenyl)-**,
photoproduct of Banomite hydrolysis
product 5170**Benzamide, N-(2,6-dichlorophenyl)-**,
photoproduct of Banomite hydrolysis
product 5170**Benzamide, N-[(3,4-dichlorophenyl)amino]carbonyl]-2,6-difluoro-**, against, *Delia platura*, on *Phaseolus lunatus* 6394**Benzamide, N,N-diethyl-3-methyl-** (see
Deet)**Benzamide, 2,6-difluoro-N-[(4-nitrophenyl)amino]carbonyl]-**, against, *Delia platura*, on *Phaseolus lunatus* 6394**Benzamide, 2,6-difluoro-N-[(4-(trifluoromethyl)phenyl)amino]carbonyl]-**, against, *Delia platura*, on *Phaseolus lunatus* 6394**Benzamide, 4-(1-methylethyl)-2,6-dinitro-N,N-dipropyl-** (see Isopropalin)**Benzamide, N-(2,4,6-trichlorophenyl)-**,
photoproduct of Banomite hydrolysis
product 5170**Benzenamine, 4-chloro-2-methyl-**
mutagenicity of 7679in *Chilo suppressalis*, chlordimeform
metabolite 5801in man, chlordimeform metabolite 3909
in rat, chlordimeform metabolite 5801,
6408**Benzenamine, 2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)-** (see Trifluralin)**Benzenamine, N-1,3-dithietan-2-ylidene-4-methyl-**, against, *Tetranychus urticae*
1004

- Benzenamine, 4-methoxy-**, photoproduct of methoxychlor aniline analogue 3328
- Benzene**
 against, *Leiodynychus krameri* 5055
 in *Schistocerca gregaria*, effects on muscle contraction of 1250
 with creosote, and 1,4-dichlorobenzene against, *Gastrallus indicus*, in books 5068
 fumigant for, books 5068
 with 1,2-dichloroethane, against, *Leiodynychus krameri* 5055
- Benzene, 1-(2-butoxyethoxy)-4-(methoxymethoxy)-**, in *Hylobius abietis*, effects on eggs of 5885
- Benzene, 1-chloro-2-[2,2-dichloro-1-(4-chlorophenyl)ethenyl]-** (see *o,p'*-DDE)
- Benzene, 1-chloro-2-[2,2-dichloro-1-(4-chlorophenyl)ethyl]-** (see *o,p'*-DDD)
- Benzene, 1,1'-(chloroethenylidene)bis[4-chloro-**
 in apple orchards, DDT product 6964
 in *Aquila chrysaetus*, residues of 3324
- Benzene, 1-chloro-4-[1-[2-(2-ethoxyethoxy)ethoxy]ethoxy]-**
 in *Heliothis armigera*, effects on reproduction of 7650
 resistance to, in, *Spodoptera littoralis* 7651
- Benzene, 4-chloro-1-(methylthio)-**, in soy bean, inhibiting phorate sulfoxidation 3920
- Benzene, 1-chloro-3-nitro-4-(2-propynyloxy)-**
 in *Heliothis virescens*, not toxic 4548
 in *Heliothis zea*, not toxic 4548
 synergist for, carbaryl 4548
- Benzene, 1-chloro-4-(phenylsulfonyl)-**, against, *Acarapis woodi* 2702
- Benzene, 1-chloro-2-[2,2,2-trichloro-1-(4-chlorophenyl)ethyl]-** (see *o,p'*-DDT)
- Benzene, 1-chloro-4-[(2,4,5-trichlorophenyl)sulfonyl]-** (see Tetradifon)
- Benzene, 1-chloro-4-[(2,4,5-trichlorophenyl)thio]-** (see Tetrasul)
- Benzene, 1,4-dichloro-**
 against, *Tetropium parvulum*, in spruce logs 6320
 with benzene, and creosote against, *Gastrallus indicus*, in books 5068
 fumigant for, books 5068
- Benzene, 1,1'-(dichloroethenylidene)bis[4-chloro-** (see DDE)
- Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-chloro-** (see DDD)
- Benzene, 1,1'-(2,2-dichloroethylidene)bis[4-ethyl-** (see Ethyl-DDD)
- Benzene, 2,4-dichloro-1-(4-nitrophenoxy)-** (see Nitrofen)
- Benzene, 1,3-dichloro-2-[(2-propynyloxy)methyl]-**
 synergist for
 carbaryl 3903
 diazinon 3903, 6507
- Benzene, 1,2-dimethoxy-4-(2-propenyl)-** (see Methyl eugenol)
- Benzene, dimethyl-**, with dieldrin, against, *Tinea pellionella*, in textiles 5701
- Benzene, 1-[(3,7-dimethyl-2,6-octadienyl)oxy]-4-ethyl-, (E)-**, degradation of 595
- Benzene, ethenyl-**, homopolymer, *Heliothis zea* rearing cavities formed in 3492
- Benzene, 1-[(7-ethoxy-3,7-dimethyl-2-octenyl)oxy]-4-ethyl-**
 against
Pissodes strobi 1065
Tribolium castaneum, in flour 3102
 in *Tenebrio molitor*, bioassay for 3102
- Benzene, 1,1'-ethylidenebis[4-chloro-**, product of γ -irradiation of DDT 1063
- Benzene, 1-fluoro-2,4-dinitro-**, use in determination of methomyl of 123
- Benzene, hexachloro-**
 in lettuce, γ -BHC metabolite 6422
 in man, residues of 6978
 in milk, residues of 3315
 in model ecosystems, ecological effects of 7642
 in *Oxyura jamaicensis*, residues of 7668
 in *Sturnus vulgaris*, residues of 6402
 mirex thermoproduc 4540
- Benzene, 1-methoxy-4-(1-propenyl)-**, attractant component for, *Popillia japonica* 3927
- Benzene, 1,1'-[methylenebis(oxy)]bis[4-chloro-**, with chlorfensulphide, and bis(4-chlorophenyl) disulfide, against, *Acarapis woodi* 2701
- Benzene, 1,1'-(2-nitropropylidene)bis[4-chloro-**, in mouse intestine, inhibiting active transport of glucose 1686
- Benzene, 1,1'-(2-nitropropylidene)bis[4-ethoxy-**
 in *Musca domestica*, metabolism of 7089
 in *Spodoptera litura*, metabolism of 7089
- Benzene, pentachloro-**, in lettuce, γ -BHC metabolite 6422
- Benzene, 1,2,3,4-tetrachloro-**, in lettuce, γ -BHC metabolite 6422
- Benzene, 1,1'-(1,2,2,2-tetrachloroethylidene)bis[4-chloro-**, anaerobic degradation of 537
- Benzene, 1,2,3-trichloro-**, in lettuce, γ -BHC metabolite 6422
- Benzene, 1,2,4-trichloro-**, in lettuce, γ -BHC metabolite 6422
- Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-chloro-** (see DDT)
- Benzene, 1,1'-(2,2,2-trichloroethylidene)bis[4-methoxy-** (see Methoxychlor)

- Benzeneacetamide, β -hydroxy-4-methoxy-*N*-(4-methoxyphenyl)-**, photoproduct of methoxychlor aniline analogue 3328
- Benzeneacetamide, 4-methoxy-*N*-(4-methoxyphenyl)- β -oxo-**, photoproduct of methoxychlor aniline analogue 3328
- Benzeneacetic acid, resmethrin photoproduct** 534
- Benzeneacetic acid, 4-bromo- α -(4-bromophenyl)- α -hydroxy-**, 1-methylethyl ester (see Bromopropylate)
- Benzeneacetic acid, 4-chloro- α -(2-chloro-4-hydroxy-3-methoxyphenyl)-**, in fowl, metabolite of *o,p'*-DDT 6400
- Benzeneacetic acid, 4-chloro- α -(2-chloro-3-hydroxyphenyl)-**, in fowl, metabolite of *o,p'*-DDT 6400
- Benzeneacetic acid, 4-chloro- α -(2-chloro-3-methoxyphenyl)-**, methyl ester, in fowl, metabolite of *o,p'*-DDT 6400
- Benzeneacetic acid, 2-chloro- α -(4-chlorophenyl)-** (see *o,p'*-DDA)
- Benzeneacetic acid, 4-chloro- α -(4-chlorophenyl)-** (see DDA)
- Benzeneacetic acid, 4-chloro- α -(4-chlorophenyl)- α -hydroxy-** ethyl ester (see Chlorobenzilate)
- Benzeneacetic acid, 1-methylethyl ester** (see Chloropropylate)
- Benzeneacetic acid, 3,4-dihydroxy-**, in *Tenebrio molitor* exocuticle 1117
- Benzeneacetic acid, α -[(dimethoxyphosphinothioyl)thio]-**, ethyl ester (see Phenthoate)
- Benzeneacetic acid, α -hydroxy-**, compound with 1,3,5,7-tetraazatricyclo[3.3.1.1^{3,7}]decane (1:1) (see Methenamine mandelate)
- Benzeneacetic acid, α -(hydroxymethyl)-**, 8-methyl-8-azabicyclo[3.2.1]oct-3-yl ester, *endo*(\pm) (see Atropine)
- Benzeneacetic acid, α -phenyl- α -propyl-**, 2-(diethylamino)ethyl ester, hydrochloride (see Proadifen hydrochloride)
- Benzenebutanoic acid, α ,2-diamino-3-hydroxy- γ -oxo-** in *Bombyx mori* eggs, effects of ouabain on 4059
- in *Carausius morosus*, separation of other tryptophan metabolites and 6557
- in *Drosophila melanogaster*, conversion to xanthommatin of 6467
- Benzenebutanoic acid, α ,2-diamino- γ -oxo-**, in *Carausius morosus*, separation of other tryptophan metabolites and 6557
- Benzenecarboxylic acid, 3-chloro-**, oxidation of organophosphorus thionate esters by 1011
- 1,2-Benzenedicarboxylic acid, dibutyl ester**, in *Iridomyrmex humilis* 68
- 1,4-Benzenedicarboxylic acid** bis(cyclopropylmethyl) ester against, *Tetranychus urticae* 5189
- 1,4-Benzenedicarboxylic acid** *contd.* bis(cyclopropylmethyl) ester *contd.* resistance to, in, *Tetranychus urticae* 5189
- 1,2-Benzenediol**, in *Agrotis ipsilon*, effects on development of 5858
- 1,2-Benzenediol, 4-(2-aminoethyl)-** in *Agrotis ipsilon*, effects on development of 5858
- in *Corcyra cephalonica* acetylation of 6473
- decarboxylation of DOPA to 6473
- in *Manduca sexta* salivary glands 4647
- in rat heart, effects of parathion on 5804
- 1,2-Benzenediol, 4-(2-amino-1-hydroxyethyl)-**, (*R*)- (see Norepinephrine)
- 1,4-Benzenediol**, in *Agrotis ipsilon*, effects on development of 5857
- 1,4-Benzenediol, (1,1-dimethylethyl)-**, antioxidant for soy-bean oil baits 1866
- Benzenethanol** in *Camponotus clarithorax* mandibular gland secretion 3530
- in *Mamestra configurata*, synthesis of 4071
- Benzenemethanamine, 2,4-dinitro-**, use in determination of methomyl of 123
- Benzenemethanamine, 4-methoxy-*N*-(4-methoxyphenyl)- α -(trichloromethyl)-**, photochemistry of 3328
- Benzenemethanol, resmethrin photoproduct** 534
- Benzenemethanol, 4-chloro- α -(4-chlorophenyl)- α -cyclopropyl-**, against, *Tetranychus urticae*, on pear 2885
- Benzenemethanol, 4-chloro- α -(4-chlorophenyl)- α -(dichloromethyl)-**, in cattle, DDT metabolite 4571
- Benzenemethanol, 4-chloro- α -(4-chlorophenyl)- α -methyl-** (see Chlorfenethol)
- Benzenemethanol, 4-chloro- α -(4-chlorophenyl)- α -(trichloromethyl)-** (see Dicofol)
- Benzenemethanol, 2-hydroxy-**, *Costelytra zealandica* antennal responses to 1370
- Benzenepropanoic acid, α -oxo-** in *Argyrotaenia velutinana*, nonutilisation of 1756
- in *Heliothis zea*, nonutilisation of 1756
- in *Phormia regina*, nonutilisation of 1756
- Benzenesulfonamide, 4-amino-** in *Dacus cucurbitae*, effects of 4088
- in *Heliothis virescens*, γ -irradiation increasing sterilisation by 74
- Benzenesulfonamide, 4-amino-*N*-2-thiazolyl-** (see Sulfathiazole)
- Benzenesulfonic acid, 4-chloro-**, 4-chlorophenyl ester (see Chlorfenson)

- Benzenesulfonic acid, 5-chloro-2-[4-chloro-2-[[[(3,4-dichlorophenyl)amino]carbonyl]amino]phenoxy]-**, sodium salt, against, *Tinea pellionella*, in textiles 5701
- Benzidine, 3,3'-diamino-** (see [1,1'-Biphenyl]-3,3',4,4'-tetramine)
- 1H-Benzimidazole-1-carboxylic acid, 5,6-dichloro-2-(trifluoromethyl)-**, phenyl ester (see Fenazaflor)
- 1H-Benzimidazole, 2-(4-thiazolyl)-** (see Thiabendazole)
- 4H-1,3,2-Benzodioxaphosphorin, 2-methoxy-2-sulfide**
against
Bucculatrix thurberiella, on cotton 2988
Conotrachelus psidii, on guava 345
pests of rice 713
Rastrococcus spinosus, on mango 1035
in *Apanteles plutellae*, toxicity of 3651
in fowl, toxicity of 3913
insecticidal activity of 1957
properties of 1957
- 4H-1,3,2-Benzodioxaphosphorin, 2-phenoxy-2-oxide**
in *Myzus persicae*, inhibiting malaoxon and paraoxon metabolism 5790
synergist for, parathion 5790
- 3-Benzodioxole-5-carboxaldehyde**
attractant for, *Ips grandicollis* 2146
O-methyloxime
synergist for
dimethoate 3289
omethoate 3289
- 1,3-Benzodioxole, 5-[bis[2-(2-butoxyethoxy)ethoxy]methyl]-** (see Piprotal)
- 1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-** (see Piperonyl butoxide)
- 1,3-Benzodioxole, 4,5-dimethoxy-6-(2-propenyl)-**
in dill
insecticidal activity of 1649
synergistic activity of 1649
- 1,3-Benzodioxole, 4,7-dimethoxy-5-(2-propenyl)-**
in dill
insecticidal activity of 1649
synergistic activity of 1649
in *Drosophila melanogaster*, toxicity of 1649
- 1,3-Benzodioxole, 5-[6-(3,3-dimethyloxiranyl)-4-methyl-1,3-hexadienyl]-**
in *Cephonodes hylas*
effects on body colour of 4672
effects on development of 4673
in *Chilo suppressalis*, effects on diapause of 2482
- 1,3-Benzodioxole, 5-[6-(3,3-dimethyloxiranyl)-4-methyl-1,3-hexadienyl]-** *contd.*
in *Ostrinia nubilalis*, effects on diapause of 6505
- 1,3-Benzodioxole, 5-[[5-(3,3-dimethyloxiranyl)-3-methyl-2-pentenyl]oxy]-**
in *Dasineura laricis*, effects on adult emergence of 1774
in *Hyalophora cecropia*, effects of 2448
in *Hylobius abietis*, effects on pupae of 5885
in *Ips typographus*, effects on pupae of 5885
in *Trogoderma granarium*
effects on spermatogenesis of 610
inhibiting pupation 51
- 1,3-Benzodioxole, 5-[[5-(3,3-dimethyloxiranyl)-3-methyl-2-pentenyl]thio]-**, in *Choristoneura fumiferana*, effects on embryonic respiration of 3341
- 1,3-Benzodioxole, 5-[1-[2-(2-ethoxyethoxy)ethoxy]ethoxy]-** (see Sesamex)
- 1,3-Benzodioxole, 5-[[5-(3-ethyl-3-methyloxiranyl)-3-methyl-2-pentenyl]oxy]-**
against
Ephestia kuehniella, in stored grain 7082
Plodia interpunctella, in stored grain 7082
Rhyzopertha dominica, in stored grain 7082
Tribolium castaneum, in stored grain 7082
in *Pieris brassicae*, effects on spinning behaviour of 54
in wheat grain, metabolism of 6936
(E)-
against
Phenacoccus solani, on ornamental plants 410
Pseudococcus longispinus, on ornamental plants 410
Saissetia coffeae, on ornamental plants 410
Spodoptera littoralis 3171
in *Adoxophyes orana*, effects of 3283
in *Aonidiella aurantii*, effects on development of 2894
in *Drosophila melanogaster*, effects on embryogenesis of 540
in *Spodoptera littoralis*
effects of 1132-1133
effects on egg-hatch and fecundity of 4671
- 1,3-Benzodioxole, 4-methoxy-6-(2-propenyl)-**
in dill
insecticidal activity of 1649

- 1,3-Benzodioxole, 4-methoxy-6-(2-propenyl)-**
contd.
 in dill *contd.*
 synergistic activity of 1649
 in *Drosophila melanogaster*, toxicity of 1649
- 1,3-Benzodioxole, 5-[2-(octylsulfinyl)propyl]-**
 (see Sulfoxide)
- 1,3-Benzodioxole, 5-(2-propenyl)-**, in *Zieria smithii* 3926
- 1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methylcarbamate** (see Bendiocarb)
- 3,7-Benzofurandiyl, 2,3-dihydro-2,2-dimethyl-**
 7-(methylcarbamate)
 in animals, determination of 1208
 in *Pinus mugo*
 carbofuran metabolite 3908
 metabolism of 3908
- 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-**
 in *Pinus mugo*, carbofuran metabolite 3908
 methylcarbamate (see Carbofuran)
- 3(2H-Benzofuranone, 2,2-dimethyl-7-[(methylamino)carbonyl]oxy)-**, in animals, determination of 1208
- 3(2H-Benzofuranone, 7-hydroxy-2,2-dimethyl-,** in *Pinus mugo*, carbofuran metabolite 3908
- Benzoic acid**
 diet component for
Acrolepiopsis assectella 1830
Ostrinia nubilalis 5393
 repellent for, *Sitophilus granarius* 5063
 resmethrin photoproduct 534
 anhydride with 3-chloro-*N*-ethoxy-2,6-dimethoxybenzenecarboximide acid (see Benzoximate)
- 2-benzoyl-1-(2,4-dichlorophenyl)hydrazide, photoproduct of Banomite hydrolysis product 5170
- 2-benzoyl-1-(2,4,6-trichlorophenyl)hydrazide, photoproduct of Banomite hydrolysis product 5170
- 2-(2,4-dichlorophenyl)hydrazide, photoproduct of Banomite hydrolysis product 5170
- sodium salt, diet component for, *Ceratitis capitata* 6568
- 2-(2,4,6-trichlorophenyl)hydrazide, photolysis of 5170
- Benzoic acid, 4-amino-**
 diet component for, *Oryzaephilus mercator* 2418
Tetranychus urticae feeding response to 1710
- Benzoic acid, 2-amino-5-chloro-**, in rat, chlordimeform metabolite 6408
- Benzoic acid, 2-amino-3-hydroxy-**, in *Drosophila melanogaster*, conversion to cinnabarinic acid of 6467
- Benzoic acid, 2-[(aminomethoxyphosphinothioyl)oxy]-**
 1-methylethyl ester
 against
Aphis craccivora, on *Vicia faba* 3661
A. gossypii, on cotton 3707
Bemisia tabaci, on cotton 3707
Elasmopalpus lignosellus, on maize 706
Empoasca lybica, on cotton 3707
Heliothis virescens, on chickpea 707
 in maize, toxicity of 706
- Benzoic acid, 4-(2-butoxyethoxy)-**, methyl ester, in *Hylobius abietis*, effects on eggs of 5885
- Benzoic acid, 5-chloro-2-(formylamino)-**, in rat, chlordimeform metabolite 6408
- Benzoic acid, 4-[[5-(3,3-dimethyloxiranyl)-3-methyl-2-pentenyl]oxy]-**, methyl ester, in *Eurygaster integriceps*, effects on fertility of 1135
- Benzoic acid, 4-[(dipropylamino)sulfonyl]-**
 (see Probenecid)
- Benzoic acid, 2-[[ethoxy[(1-methylethyl)amino]phosphinothioyl]oxy]-**, 1-methylethyl ester (see Isofenphos)
- Benzoic acid, 2-hydroxy-**, *Nilaparvata lugens*, feeding responses to 2496
- Benzoic acid, 4-hydroxy-**
 methyl ester
 diet component for
Acrolepiopsis assectella 1830
Aegeria pictipes 1845
Agrotis segetum 6572
Ceratitis capitata 6568
Coptotermes formosanus 2426
Dacus oleae 666
Eurygaster integriceps 5388
Hydraecia micacea 1238
Mamestra brassicae 6573
Ostrinia nubilalis 5393
Reticulitermes flavipes 2426
Spodoptera exigua 5923
S. littoralis 668
S. litura 1239
- Benzoic acid, 2-hydroxy-6-methyl-**
 methyl ester
Gnamptogenys pleurodon alarm pheromone 2410
 in *Camponotus herculeanus*, effects of 753
 in *Camponotus ligniperda*, effects of 753
 in *Camponotus pennsylvanicus*, effects of 753
- Benzoic acid, 4-methoxy-**, photoproduct of methoxychlor aniline analogue 3328
- Benzoic acid, 2-[(1-naphthalenylamino)carbonyl]-** (see Naptalam)
- Benzomate** (see Benzoximate)

- Benzonitrile, 4-hydroxy-3,5-diiodo-** (see Ioxynil)
- 1H-2-Benzopyran-1-one, 3,4-dihydro-8-hydroxy-3-methyl-** (*R*)-
 in *Camponotus ligniperda*, effects of 753
 in *Camponotus pennsylvanicus*, effects of 753
 in *Componotus herculeanus*, effects of 753
- 2H-1-Benzopyran-2-one**
 in *Anthoxanthum*, preventing feeding by *Chorthippus parallelus* 169
 in *Spodoptera littoralis*, effects on development of 7667
Lymantria dispar feeding responses to 4112
 repellent for, *Sitophilus granarius* 5063
- 2H-1-Benzopyran-2-one, 6-(β -D-glucopyranosyloxy)-7-hydroxy-**, UV-protective for *Bacillus thuringiensis* 486, 2214
- 2H-1-Benzopyran-2-one, 3,3'-methylenebis[4-hydroxy-**, in *Heliothis virescens*, γ -irradiation increasing sterilisation by 74
- p-Benzoquinone** (see 2,5-Cyclohexadiene-1,4-dione)
- Benzo[*b*]thiophene-4-ol**
 methylcarbamate
 against
Conotrachelus psidii, on guava 345
Hyllobius pales 1664
Phthorimaea operculella, on potato 7379
- 2H-1,4-Benzoxazin-3(4H)-one, 2,4-dihydroxy-7-methoxy-**
 in maize
 role in *Ostrinia nubilalis* resistance of 4259
 role in resistance to *Ostrinia nubilalis* of 284
 related to resistance of maize to *Ostrinia nubilalis* 1353
- Benzoximate** (benzoic 3-chloro-*N*-ethoxy-2,6-dimethoxybenzenecarboximidic anhydride)
 against
Brevipalpus obovatus 3725
Epitrimerus pyri, on pear 6101
Panonychus citri, on *Citrus* 2028
P. ulmi, on apple 6101
Tetranychus urticae
 on *Calla* 985, 1027
 on *Capsicum* 985, 1027
 in *Metaseiulus occidentalis*, not toxic 6101
 in *Typhlodromus columbiensis*, not toxic 6101
 in *Zetzellia mali*, not toxic 6101
- Bephrata maculicollis**
 control of
 bagging fruit for 4997
 insecticides for 4997
 in Surinam 4997
 on *Annona muricata*
 damage caused by 4997
 in Surinam 4997
- bequaerti, Bathycoelia**
- Ber** (see *Ziziphus*)
- berberidis, Rhagoletis**
- Berberine**
 for protecting *Bacillus thuringiensis* spores from UV 486
 sulfate, as UV photoprotective for *Bacillus thuringiensis* 2214
- Berberis**
Coryphista meadii on
 damage caused by 409
 in Indiana 409
- Berberis vulgaris, Rhagoletis cerasi** on 73
- Bergallia rosa**
 sp. n., description of 14
 in Peru 14
 on *Cynodon dactylon*, in Peru 14
- bergmanniana, Croesia**
- berlese, Caloglyphus**
- berlesei, Prospaltella**
- berlesiana, Prolasioptera**
- Bermius brachycerus**
 in Australia 1233
 traps for 1233
- Berseem** (see *Trifolium alexandrinum*)
- Bessa fugax**
 biology of 6818
 in USSR 6818
 parasitised by, Chalcidoidea, in Ukraine 6818
 parasitising, *Yponomeuta rorellus*, in Ukraine 6818
- Bessa harveyi**
 in USA 3547
 parasitising
Pristiphora erichsonii
 in Illinois 3547
 in New York 3547
- Beta vulgaris** (see Beet)
- Beta vulgaris var. cicla** (see Spinach beet)
- Beta vulgaris var. saccharifera** (see Sugar-beet)
- Betacallis querciphaga**
 in India 7205
 parasitised by, *Trioxys assamensis*, in Meghalaya 7205
- betae, Pegomya**
- betae, Smynthurodes**
- Betasyrphus**
 parasites of, in Kenya 1897
 preying on, aphids, in Kenya 1897
- Betelvine** (see *Piper betle*)
- bethunei, Diradops**

Bethylidae

- in British Isles 5231
keys to 5231

Bethyloidea

- in British Isles 5231
keys to 5231

Betula

- Acronicta leporina* on, in USSR 4388
A. psi on, in USSR 4388
Agilus anxius on, in Washington 3060
aphids on, in Washington 3060
Bena prasinana on, in USSR 4388
Biston betularia on, in USSR 4388
Ennomos quercinaria on, in Norway 117
Fenusia pusilla on
in Canada 1883
in Quebec 4791
Hemichroa australis on 5227
H. crocea on 5227
Phalera bucephala on
damage caused by 5677
in USSR 5677
Ptilodon capucina on, in USSR 4388
Betula nigra*, *Acrobasis betulivorella on, in
North Carolina 1725
Betula papyrifera
Arge pectoralis on 910
Coleophora serratella on
damage caused by 421, 3038
in Newfoundland 421, 3038-3039
in Quebec 3748
Fenusia pusilla on, in Newfoundland
3749
Betula pendula*, *Coleophora serratella on, in
Europe 5011
Betula populifolia
Coleophora serratella on, in Quebec
3748
Fenusia pusilla on 4791
Betula verrucosa*, *Tetranychus urticae on, in
Finland 3051
betulae*, *Byctiscus
betularia*, *Biston
betulivorella*, *Acrobasis
Betulus
Callaphididae on, in Switzerland 3373
Thelaxidae on, in Switzerland 3373
bezerrai*, *Mycetaspis
BHC (1,2,3,4,5,6-hexachlorocyclohexane)
against
Acarus siro, in pasture seeds 6322
Adelges piceae, on *Abies* 4579
Catochrysops strabo, on *Cajanus cajan*
4955
Cnaphalocrocis medinalis, on rice
1951
Coccidohystrix insolita, on eggplant
6178
Cryptoblabes gnidiella, on sorghum
6068
Dendroctonus frontalis 5025
Elateridae, on potato 7377

BHC contd.

against contd.

- Exelastis atomosa*, on *Cajanus cajan*
4955
Glycyphagus destructor, in pasture
seeds 6322
Heliothis armigera, on *Cajanus cajan*
4955
Hieroglyphus nigrorepletus, on
Pennisetum typhoides 7231
Ips avulsus, on *Pinus* 413
I. calligraphus, on *Pinus* 413
I. grandicollis, on *Pinus* 413
Lachnosterna consanguinea
on groundnut 7362
on pea 999
Leptocoris oratoria, on rice 1951
Leucoma salicis, on *Populus* 6817
locusts, in pastures 3317
Lygus pratensis, on lucerne 840
Lymantria dispar 2141
Monopis leuconeurella, on mango
3643
Nezara viridula, on rice 1951
Nymphula depunctalis, on rice 1951
Oligonychus hondoensis, on
Cryptomeria japonica 3739
Oxya chinensis, on rice 1951
O. intricata, on rice 1951
Pachydiplosis oryzae, on rice 536
Pemphigus fuscicornis
on beet 369
on *Chenopodium* 369
pests of cacao 2102, 4383
pests of rice 536, 1356
pests of stored grain 6274, 6317
pests of stored groundnuts 6234
pests of wheat 2306
Phaenops cyanea, on *Pinus* 5007
Phalera bucephala, on *Betula* 5677
Phthorimaea operculella 6169
Polyphylla olivieri, on grape vine 313
Rhinyptia laeviceps, on *Pennisetum*
typhoides 4873
Schistocerca americana 1259
Scotinophara coarctata, on rice 1951
Selenothrips rubrocinctus, on cacao
1491
Spodoptera exigua, on cotton 5641
S. mauritia, on rice 1951
Strepsicrates rorthia 2034
Syringopais temperatella, on barley
2786
Tipula spp. 7588
Tortrix viridana, on *Quercus* 6832
Tyrophagus putrescentiae, in pasture
seeds 6322
Zonocerus variegatus 6605
in buffalo, toxicity of 2306
in cattle, toxicity of 2306
in coffee, residues of 148
in dog, toxicity of 2306

BHC *contd.*

- in *Drosophila melanogaster*, bioassay of 3329
- in fir forests, residues of 4579
- in *Forcipomyia*
 - effects of 2102
 - toxicity of 4383
- in grasses, residues of 3317
- in lucerne fields, non-target effects of 840
- in man, toxicity of 2306
- in rat, determination of 6414
- in rivers, residues of 5787
- in soil
 - effects of electrical conductivity on 3329
 - residues of 148, 3329
- in *Sturnus vulgaris*, residues of 6402
- in *Trichogaster pectoralis*, toxicity of 1693
- in water, residues of 148
- in wheat
 - effects on germination of 3582
 - toxicity of 6042
- resistance to, in, *Cosmopolites sordidus*, in Ecuador 684
- taints from, avoidance of 7675
- with chlordane, against, termites 6645
- with DDT
 - against
 - Amaurosome armillatum*, on *Phleum pratense* 297
 - A. flavipes*, on *Phleum pratense* 297
 - Lipaphis erysimi* 2294
 - Microcerotermes diversus*, on palm 7287
 - pests of cabbage 4932
 - in *Menochilus sexmaculatus*, toxicity of 2294
 - in *Xanthogramma scutellare*, toxicity of 2294

BHC (α -isomer) ((1 α ,2 α ,3 β ,4 α ,5 β ,6 β)-

- 1,2,3,4,5,6-hexachlorocyclohexane)
- in man, residues of 3320
- in milk, residues of 3315
- in rivers, residues of 5787

BHC (β -isomer) ((1 α ,2 β ,3 α ,4 β ,5 α ,6 β)-

- 1,2,3,4,5,6-hexachlorocyclohexane)
- in man, residues of 2298, 3320
- in milk, residues of 3315
- in mouse, metabolism of 5154
- in rivers, residues of 5787
- in soil
 - degradation of 5820
 - residues of 1061

BHC (γ -isomer) ((1 α ,2 α ,3 β ,4 α ,5 α ,6 β)-

- 1,2,3,4,5,6-hexachlorocyclohexane)
- against
 - Acanthoscelides obtectus*, in stored seeds 453
 - Achaea janata*, on *Ricinus communis* 885

BHC (γ -isomer) *contd.*

- against *contd.*
 - Adelges* spp., on *Picea* 4419
 - Adrastus* spp., on maize 4262
 - Aelia acuminata*, on grasses 6701
 - Agriotes* spp. 2281
 - on maize 4262
 - on sugar-beet 2663
 - Alphitobius diaperinus* 2168
 - Anisoplia* spp.
 - on grain crops 7226
 - on wheat 3316
 - Anobium punctatum* 4447
 - Antestiopsis clymeneis*, on coffee 3017
 - Antigastra catalaunalis* 2079
 - Aphis gossypii* 4934
 - A. pomi*, on apple 1418
 - Aphodius tasmaniae*, in pastures 4879
 - Aradus cinnamomeus*
 - on *Larix* 5691
 - on *Pinus* 5691
 - Atomaria linearis*, on sugar-beet 3945
 - Bagrada hilaris*, on mustard 858
 - bark beetles 4418
 - Blaniulus guttulatus*, on sugar-beet 3945
 - Bothynoderes punctiventris*, on beet 7365
 - Brachydesmus superus*, on sugar-beet 3945
 - Bruchidae, in stored cowpeas 6234
 - Callosobruchus maculatus*, in stored
 - Vigna unguiculata* 5067
 - Caryedon serratus*, in stored groundnuts 6234
 - Cephaloleia* spp., on oil palm 7289
 - Chaetocnema concinna*, on sugar-beet 4962
 - Chilo suppressalis* 1657
 - Curculio nucum*, on hazel 1405
 - Cydia nigricana* 1676
 - Demyrsus meleoides* 3726
 - Dendroctonus rufipennis*, on *Picea* 3757, 6212
 - Dermestes frischii*, in hide 1674
 - Dichocrocis punctiferalis*, on *Ricinus communis* 885
 - Dinoderus ocellaris*, in furniture 6321
 - Dulinius unicolor*, on coffee 3017
 - Elasmopalpus lignosellus*, on soy bean 2054
 - Ephestia cautella* 2650
 - Heliothis armigera*, on maize 824
 - Helopeltis theivora*, on cacao 4382
 - Heteronychus arator* 6958
 - Hylastes* spp., on *Picea* 6835
 - Hylemya brassicae*, on cabbage 351
 - H. coarctata*, on wheat 5490
 - Hylobius abietis* 414, 3071
 - on *Picea* 2139, 6835
 - on *Pinus* 2139
 - Hylotrupes bajulus* 4447

BHC (γ -isomer) contd.

against contd.

- Isophya tenuicera*, on lavender 224
Leptinotarsa decemlineata 3286
 on potato 6784
Leptopterna dolabrata, on grasses 6701
Leucinodes orbonalis, on eggplant 3694
Lipaphis erysimi, on mustard 858
 locusts 1256
Lycus africanus, in furniture 6321
Lygus rugulipennis, on sugar-beet 4962
Maruca testulalis, on *Vigna unguiculata* 364, 7356
Melolontha melolontha 2281
Messor aegyptiacus 3532
 mites, in cheese 1651
Nephotettix cincticeps 1657
Nilaparvata lugens, on rice 1959, 4851, 6696
Opogona sacchari, on *Sansevieria trifasciata* 4992
Oryzaephilus surinamensis 449
Oscinella frit 7230
Ostrinia furnacalis, on maize 5500
O. nubilalis, on maize 6680
Oulema melanopus 272
Ovatus crataegarius, on mint 224
Pantilius tunicatus, on hazel 2007
Pegomya mixta, on beet 4963
Pentalonia nigronervosa, on banana 344
 pests of lucerne 4294
 pests of mushroom 2740
 pests of pea 6775
 pests of rape 1050
 pests of rice 1061, 1953
 pests of stored maize 6232
 pests of sugar-beet 1605
 pests of timber 2178
Phthorimaea operculella 6169
Piesma maculatum, on sugar-beet 4962
Plutella xylostella, on cauliflower 2044
Prociophilus pini, on *Pinus* 6830
Psallidium maxillosum, on beet 7365
Rhyzopertha dominica 1669, 6283
Saccharicoccus sacchari, on sugar-cane 817
Salina celebensis, on cacao 903
Scirpophaga incertulas, on rice 3599
Scolytus multistriatus, on *Ulmus* 2121
Selenothrips rubrocinctus, on cacao 1491
Semiiothisa clathrata, on lucerne 6705
Sitophilus granarius 449
S. oryzae 449
 in stored maize 7467
S. zeamais, in stored maize 7467
Sitotroga cerealella 1675

BHC (γ -isomer) contd.

against contd.

- Sitotroga cerealella* contd.
 in stored maize 7467
Spodoptera littoralis 2288, 3896
S. litura, on *Ricinus communis* 885
Synoxylon sexdentatum, on grapevine 7291
Taeniothrips loricivorus, on *Larix* 3301
Tribolium castaneum 449, 1030, 1037, 5046, 5188
T. confusum 449
Trogoderma granarium, in stored groundnuts 6234
Xyleborus affinis, on *Dracaena fragrans* 411
X. ferrugineus, on *Dracaena fragrans* 411
Xylodendrus compactus, on avocado 332
Zabrus spp.
 on grain crops 7226
 on wheat 3316
 extenders for, Lovo 192 as 5151
 formulations of, carriers for 3896
 in animals, metabolism of 5782
 in *Aphis gossypii*, effects of food-plant on susceptibility to 4934
 in baby food, determination of 3296–3297
 in bird eggs, residues of 1047
 in *Callosobruchus chinensis*, effects of diet on susceptibility to 7657
 in *Callosobruchus maculatus*, effects of diet on susceptibility to 7657
 in cattle, residues of 5200
 in Chinese cabbage, pollen sterility caused by 7337
 in *Conocephalus maculatus*, toxicity of 1657
 in cotton, effects on germination of 892
 in domestic animals, residues of 6970
 in feedstuffs, residues of 3315
 in fowl eggs, residues of 3321
 in grain crops, residues of 1050
 in green algae, metabolism of 5778
 in hay, residues of 3315
 in *Larix*, residues of 3301
 in *Leptinotarsa decemlineata*, effects of temperature on susceptibility to 3286
 in lettuce, metabolism of 6422
 in lucerne, residues of 1705
 in *Lycosa pseudoannulata*, toxicity of 1657
 in man, residues of 3320, 5814
 in milk, residues of 3315
 in mouse, metabolism of 5154
 in pastures, residues of 1050
 in pea
 effects of metabolic inhibitors on uptake of 5776

BHC (γ -isomer) contd.

- in pea contd.
 - effects on growth of 5776
- in *Phytoseiulus persimilis*, toxicity of 7673
- in *Picea abies*, persistence of 1526
- in *Pieris brassicae*, effects of 3280
- in plants, metabolism of 5782
- in rabbit, residues of, effects of meat processing on 5779
- in rat
 - dehydrogenation of 5809
 - determination of 6414
- in rice, effects on yield of 831
- in rivers, residues of 5787
- in *Schistocerca americana*, effects on nerve function of 2290
- in soil
 - degradation of 5820
 - effects on bacteria and nutrient status of 831
 - residues of 1061
- in *Spodoptera littoralis*, effects of soil moisture and temperature on susceptibility to 2288
- in sugar-beet
 - effects on germination of 2663
 - toxicity of 4962
- in sugar-beet fields, non-target effects of 2949
- in *Thanasimus undatulus*, toxicity of 3757, 6212
- in tomato, residues of 5803
- in *Tribolium castaneum*
 - effects of fluctuating temperature on susceptibility to 1030
 - effects of temperature on susceptibility to 5188
- in water, effects of temperature on solubility of 4528
- in wheat
 - effects on amino acids of 274
 - toxicity of 3316, 5490
- resistance to, in
 - Acarus siro*, in UK 5177
 - Ceratitis capitata*, in Egypt 1040
 - Drosophila melanogaster*, in West Germany 1645
 - Hylemya brassicae*, in France 4518
 - Leptinotarsa decemlineata* 4969
 - in East Germany 5621
 - in Poland 3205
 - Nilaparvata lugens*, in Saga Prefecture 1959
 - Oryzaephilus surinamensis*, in UK 5177
 - pests of stored grain 1207
 - pests of stored products 6249
 - Schistocerca americana* 2648
 - mechanism of 1257
 - Tribolium castaneum*, in UK 5177
- taints from, avoidance of 7675

BHC (γ -isomer) contd.

- with carbamates, against, *Phaenops cyanea*, on *Pinus* 5007
- with carbaryl
 - against
 - Chilo polychrysus*, on rice 1951
 - C. suppressalis*, on rice 1951
 - Hydrellia sasakii*, on rice 4866
 - Leptinotarsa decemlineata* 3286
 - on potato 373, 2961, 4969
 - Nilaparvata lugens*, on rice 6696
 - Opogona sacchari* 6201
 - Orseolia oryzae*, on rice 4866
 - pests of rice 828
 - Rhyzopertha dominica* 1669
 - Schoenobius dodatellus*, on rice 1951
 - Scirpophaga incertulas*, on rice 1951
 - Sesamia inferens*, on rice 1951
- in soil, effects on bacteria and nutrient status of 831
- in *Vigna unguiculata*, effects on root nodulation of 7354
- with carbaryl, and methoxychlor, against, *Leptinotarsa decemlineata* 3286
- with DDT
 - against
 - Cydia nigricana*, on pea 362
 - Hylobius abietis*
 - on *Picea* 2139
 - on *Pinus* 2139
 - Javesella pellucida*, on wheat 1943
 - Meligethes aeneus*, on rape 3311
 - Monochamus galloprovincialis*, on *Pinus* 7423
 - pests of potato 5620
 - Pieris brassicae* 2042
 - formulations of, stabilisers for 2547
 - in stored grain, persistence of 6859
- with DDT, and methoxychlor
 - against, *Leptinotarsa decemlineata*, on potato 372, 3311, 4969
- resistance to, in, *Leptinotarsa decemlineata*, in Poland 4968
- with DDT, and methyl-parathion, against, *Spodoptera littoralis* 5181
- with demephion, against, *Myzus persicae*, on tobacco 5620
- with dichlorvos, against, *Rhyzopertha dominica* 1669
- with dimethoate
 - against, *Pemphigus fuscicornis*, on beet 5613
 - in beet, effects on sugar content of 5613
- with iodofenphos, against, *Rhyzopertha dominica* 1669
- with isoprocab
 - against
 - Chilo polychrysus*, on rice 1951
 - C. suppressalis*, on rice 1951

BHC (γ -isomer) contd.

with isoprocarb contd.

against contd.

Schoenobius dodatellus, on rice

1951

Scirpophaga incertulas, on rice 1951*Sesamia inferens*, on rice 1951in *Trichogaster pectoralis*, toxicity of
1693

with malathion

against

Acarus farris, in stored barley 1561*A. siro* 7594

in stored barley 1561

in stored wheat 5800

Glycyphagus destructor 7594

in stored barley 1561

in stored wheat 5800

Rhyzopertha dominica 1669*Tyrophagus longior*, in stored barley
1561*T. putrescentiae* 7594

in stored wheat 5800

with mercury, in wheat, toxicity of 3316

with mevinphos, against, *Myzus persicae*,
on peach 7321

with nuclear polyhedrosis virus, against,

Spodoptera litura 6889

with oil emulsion

against

Dendroctonus micans, on *Picea*
7437*Scolytus multistriatus*, in *Ulmus*
timber 5666*S. scolytus*, in *Ulmus* timber 5666

with paraffin oil

against

Scolytus multistriatus, in *Ulmus*
timber 5666*S. scolytus*, in *Ulmus* timber 5666with parathion, against, *Synanthedon**tipuliformis*, on persimmon 6741with pentachlorophenol, against, *Scolytus*
multistriatus, on *Ulmus* 2121

with propoxur

against

*Hylobius abietis*on *Picea* 2139on *Pinus* 2139*Leptinotarsa decemlineata*, on potato
373

with tetrachlorvinphos, against,

Rhyzopertha dominica 1669

with thiram

against

Delia brassicae, on cabbage 4933*Tanymecus dilaticollis*, on maize
1350

in cabbage, toxicity of 4933

with trichlorphon, against, *Rhyzopertha*
dominica 1669**BHC (δ -isomer)** ((1 α ,2 α ,3 α ,4 β ,5 α ,6 β)-
1,2,3,4,5,6-hexachlorocyclohexane)

in rivers, residues of 5787

Bhendi (see Okra)**Bhindi** (see Okra)*bhurmitra*, *Ectropis***Bi 58** (see Dimethoate)*bibax*, *Biprorulus**bibens*, *Amblyseius**Bibio ferruginatus*

biology of 5491

in USSR 5491

on potato, in USSR 5491

on wheat, in USSR 5491

Bibliographies (see also Subject reviews)*Agrotis gladiaria* 6599*A. ipsilon*, on vegetables 4332*A. venerabilis* 6600*Aleurocanthus woglumi* 2027

Bombyliidae 4806

Chilo suppressalis 4274

cotton in Turkey 5648

Cydia pomonella 4905*Diabrotica longicornis* 2791*D. virgifera* 2791

dingy cutworm complex 4742

Elaterid larvae 3353

entomological research in Nigeria 4586

Euxoa detersa 6598*Hypera brunneipennis* 4296*H. postica* 4296

insecticides from plants 6033

Lygus lineolaris on apple 3931

Morabinae 5844

physical means of controlling storage pests
6262

plant hairs and insect resistance 4517

Psylla pyricola 4319*Sitona* spp., on lucerne 2839*Spodoptera* 733

tobacco in Turkey 4380

bicincta, *Belvosia**bicincta*, *Pentatomophaga**bicincta*, *Prosapia**bicinctus*, *Aphrodes**biclavus*, *Howardia**bicolor*, *Acrida**bicolor*, *Adoretus**bicolor*, *Euplectrus**bicolor*, *Hypolithus**bicolor*, *Hypophloeus**bicolor*, *Latoia*, (*Parasa*)*bicolor*, *Mettriona**bicolor*, *Praon**bicolor*, *Rhynocoris**bicolor*, *Thymebatis*

- Bicyclo[2.2.1]heptane-2-carbonitrile, 5-chloro-6-[[[(methylamino)carbonyl]oxy]imino]-**
 [1*S*-(1 α ,2 β ,4 α ,5 α ,6*E*)]-
 against
 Tetranychus neocaledonicus
 on eggplant 4920
 on okra 4920
- Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene-**
 attractant for, *Amrasca devastans* 1808
 in *Myrmicaria natalensis* poison-gland secretion 1265
Lymantria dispar feeding responses to 4112
 with 1,5-dimethyl-6,8-dioxabicyclo[3.2.1]octane, and 2,6,6-trimethylbicyclo[3.1.1]hept-2-ene
 attractant for, *Dendroctonus pseudotsugae* 3211, 5665
 synergists for, ethanol and sudeanol as 5665
- Bicyclo[2.2.1]heptane, 2,2,5,6-tetrachloro-1,7-bis(chloromethyl)-7-(dichloromethyl)-**
 in *Carassius auratus*, toxicity of 4539
 in mouse, toxicity of 4539
 in *Musca domestica*, toxicity of 4539
 in toxaphene 4539
- Bicyclo[2.2.1]heptane, 2,2,5,6-tetrachloro-1,7,7-tris(chloromethyl)-**
 in *Carassius auratus*, toxicity of 4539
 in mouse, toxicity of 1005, 4539
 in *Musca domestica*, toxicity of 1005, 4539
 in toxaphene 1005, 4539
- Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-**
 attractant for, *Cryphalus fulvus* 1068
 in *Dendroctonus frontalis*, oxidation of 2383
 in *Myrmicaria natalensis* poison-gland secretion 1265
Lymantria dispar feeding responses to 4112
 (-), in *Choristoneura fumiferana*, stimulating oviposition 427
- Bicyclo[3.1.1]heptan-3-ol, 6,6-dimethyl-2-methylene-**
 (1 α ,3 α ,5 α)-
 attractant for, *Cryphalus fulvus* 1068
 in *Dendroctonus brevicomis* 412
 in *Dendroctonus frontalis*, production of 2383
 in *Pinus densiflora* 3755
- Bicyclo[3.1.1]heptan-3-one, 6,6-dimethyl-2-methylene-**
 attractant for, *Cryphalus fulvus* 1068
 in *Dendroctonus brevicomis* 412
 in *Pinus densiflora* 3755
- Bicyclo[2.2.1]hept-5-ene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-**, in aquatic organisms, toxicity of 2643
- Bicyclo[3.1.1]hept-2-ene-2-methanol, 6,6-dimethyl-**
 attractant for, *Cryphalus fulvus* 1068
 in *Dendroctonus*, production of 925
 in *Dendroctonus brevicomis* 412
 in *Dendroctonus frontalis*, production of 2383
- Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-**
 attractant for
 Amrasca devastans 1808
 Cryphalus fulvus 1068
 Dendroctonus brevicomis antennal responses to 4640
 D. frontalis antennal responses to 4640
 in *Bacillus*, metabolism to *cis*-verbenol of 1144
 in *Dendroctonus*, converted to *trans*-verbenol 64
 in *Dendroctonus frontalis*
 metabolism of 60
 oxidation of 2383
 in *Dendroctonus terebrans*, metabolism of 60
 in *Myrmicaria natalensis* poison-gland secretion 1265
Lymantria dispar feeding responses to 4112
 with 1,5-dimethyl-6,8-dioxabicyclo[3.2.1]octane, attractant for, *Dendroctonus frontalis* 5028-5029, 5090, 5668
 with 1,5-dimethyl-6,8-dioxabicyclo[3.2.1]octane, and 2,2-dimethyl-3-methylenebicyclo[2.2.1]heptane
 attractant for, *Dendroctonus pseudotsugae* 3211 5665
 synergists for, ethanol and sudeanol as 5665
- chlorinated
 against
 Acyrtosiphon pisum, on lucerne 6707
 Adelphocoris lineolatus, on lucerne 6707
 Bothynoderes punctiventris, on beet 5467
 Ceutorhynchus assimilis, on rape 1480
 Dasineura brassicae, on rape 1480
 Leptinotarsa decemlineata, on potato 6784
 Margaritia sticticalis 5402
 pests of lucerne 2842
 in beet fields, effects on parasites of 5467

Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-
contd.

(-), in *Choristoneura fumiferana*, not stimulating oviposition 427

(+), in *Choristoneura fumiferana*, stimulating oviposition 427

Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl-
Dendroctonus brevicomis antennal responses to 4640

D. frontalis antennal responses to 4640
in *Pinus mugo*, not related to gall-midge infestation 429

in *Pinus sylvestris* 3345

role in resistance to *Dioryctria zimmermani* of 6838

Lymantria dispar feeding responses to 4112

Bicyclo[3.1.1]hept-3-en-2-ol, 2,6,6-trimethyl-
(1 α ,2 β ,5 α)-, in *Dendroctonus frontalis*, production of 2383

acetate, attractant for, *Cryphalus fulvus* 1068

Bicyclo[3.1.1]hept-3-en-2-ol, 4,6,6-trimethyl-
(1 α ,2 α ,5 α)-

attractant for

Cryphalus fulvus 1068

Dendroctonus pseudotsugae 2449

in *Dendroctonus*, production of 925

in *Dendroctonus* spp., produced after exposure to α -pinene 64

in *Dendroctonus frontalis*

oxidation product of host oleoresin component 60

production of 2383

in *Dendroctonus terebrans*, oxidation product of host oleoresin component 60

with 1,5-dimethyl-6,8-

dioxabicyclo[3.2.1]octane, attractant for, *Dendroctonus frontalis* 5028

with pine terpenes, attractant for,

Dendroctonus ponderosae 7414

(1 α ,2 β ,5 α)-

in *Bacillus*, metabolite of α -pinene 1144

in *Dendroctonus frontalis*, production of 2383

in *Ips confusus*, functional unit of 7057

Bicyclo[3.1.1]hept-3-en-2-one, 4,6,6-trimethyl-

in *Dendroctonus brevicomis* 412

in *Dendroctonus frontalis*, oxidation product of host oleoresin component 60

in *Dendroctonus pseudotsugae* aggregation pheromone 2449

in *Pinus densiflora* 3755

Bicyclo[3.1.0]hexane, 4-methylene-1-(1-methylethyl)-, in *Myrmecaria natalensis*
poison-gland secretion 1265**Bi-2,4-cyclopentadien-1-yl,**

1,1',2,2',3,3',4,4',5,5'-decachloro- (see Dienochlor)

bidens, *Picromerus****Bidens pilosa***

Diachrysia orichalcea on, in Kenya 3021

sowthistle yellow net virus in, in Florida 458

Bidrin (see Dicrotophos)**bifarius, *Bombus*****bifasciata, *Hockeria*****bifasciculatus, *Chrysomphalus*****bifidialis, *Loxostege*****Bifiditermes condonensis**

in Australia 3106

in power-transmission poles, in Queensland 3106

biflexuosus, *Platypus***biformis, *Baliothrips*****bigella, *Euzophora*****biguttata, *Platymis*****biguttata, *Sycophila*, (*Eudecatoma*)****biguttatus, *Agrilus*****biguttatus, *Notiophilus*****biguttula, *Amrasca*****biguttula, *Sundapteryx*****biguttulus, *Chorthippus*****biharensis, *Oligonychus*****Bilberry (*Vaccinium myrtillus*)**

Ectropis bistortata on, in West Germany 5738

bilineata, *Aleochara***bilineatus, *Agrilus*****bilineatus, *Pangaeus*****bilitura, *Euxoa***

Biliverdin, in *Pieris brassicae*, effects of light on 40

Biloba subsecivella

biology of 6777

control of 6777

in India 6777

on soy bean

damage caused by 6777

in India 6777

Bilobap (see Dinocap, with dodine, and monocrotophos)**bimaculata, *Chrysophtharta*****bimaculata, *Lomographa*, (*Bapta*)****bimaculatus, *Chalcodermus*****bimaculatus, *Gryllus*****bimaculatus, *Molorchus*****bimaculatus, *Schistoceros*****Bimba toombii**

in India 2709

on *Coccinia indica*, in Uttar Pradesh 2709

parasitised by, *Eupelmus tenuicornis*, in Uttar Pradesh 2709

Binapacryl (2-(1-methylpropyl)-4,6-dinitrophenyl 3-methyl-2-butenate)

Binapacryl *contd.*

against

- Aphanostigma iaksuiense*, on pear 2017
Bryobia praetiosa, on pear 7318
Oligonychus indicus, on sorghum 2819
Panonychus ulmi, on apple 2289
Phytoptus avellanae, on hazel 1412
Tetranychidae 4746
Tetranychus urticae 6602, 7520
on bean 515

in apple orchards, effects on mites of 2011

resistance to, in, *Panonychus ulmi*, in England 2289**2,2'-Binaphthalene]-8,8'-dicarboxaldehyde, 1,1',6,6',7,7'-hexahydroxy-3,3'-dimethyl-5,5'-bis(1-methylethyl)-**

in cotton

relation of resistance to *Spodoptera littoralis* and 895role in resistance to *Lygus hesperus* of 390role in *Heliothis* resistance of 3709in *Heliothis virescens*, antagonistic effects on insecticides of 6934in *Spodoptera littoralis*

effects on insecticide susceptibility of 1488

toxicity of 1488

Binodoxys, keys to 5233**binotalis, Crocidolomia****binotata, Allotisingis****binotatus, Cybocephalus****Bioallethrin** (see Allethrin, (1*R-trans*)-)**bioculatus, Chlaenius****bioculatus, Perilloides, (Perillus)****Bioethanomethrin** ([5-(phenylmethyl)-3-furanyl]methyl (1*R-trans*)-3-

(cyclopentylidenemethyl)-2,2-dimethylcyclopropanecarboxylate)

adopted as common name in *RAE*, p. 3

against

- Agrotis ipsilon*, on lettuce 5750
Anthonomus pomorum 5750
Choristoneura occidentalis 6821
Chortiocetes terminifera 5987
Eupoecilia ambiguella 5750
Hoplocampa testudinea 5750
Hylobius pales 1664
Leptinotarsa decemlineata 5750
Lobesia botrana 5750
Lymantria dispar 3750
Psylla pyri, on pear 5750
Sitophilus zeamais, in stored maize 7469

in forests, non-target effects of 3750

photodecomposition of 534

synergists for, piperonyl butoxide as 7469

Biofilm, in virus preparations 6848**Biological control**

of arthropods (see also Sterile-insect release and individual pathogens)

2254

3158

3852

4589

5091

5742

6372

7636

Achroia grisella 969*Acyrtosiphon pisum* 3180*Adelges* spp., on *Abies* 3768*Adoxophyes* spp. 5113*A. orana* 3842*Aelia germari*, on wheat 7232*Aeneolamia varia* 1365

agricultural pests 968

Agrotis ipsilon 2077*A. segetum* 3854-3856*Aleurocanthus woglumi* 1429*Aleurothrix floccosus*, on *Citrus* 4915, 5099, 6128

Aleyrodidae 5113

Anomis flava 5730*A. texana* 2707-2708*Antonina graminis* 4504*Aonidiella* spp., on *Citrus* 5107*A. aurantii* 2898, 3639, 5221, 5577on *Citrus* 5103, 5110, 5955-5956

aphids 696, 790, 798, 974, 982, 2919,

3832, 3835, 5472

Ascotis selenaria 1892*Aspidiotus destructor* 2845*A. nerii*, on *Citrus* 5107*Aulacaspis tegalensis* 239*Brachycaudus helichrysi*, on

chrysanthemum 7581

Caliroa cerasi, on pear 6356*Ceresa bubalus* 1384*Chilo auricilius* 250*C. partellus* 773

on sorghum 5952

C. sacchariphagus 249-250, 814*Choristoneura fumiferana* 6836*Chromaphis juglandicola* 1413, 3177*Chrysomphalus dictyospermi*, on *Citrus* 5103*Cnephasia interjectana* 4405

Coccoidea 5113

Coleophora laricella, on *Larix* 4805*C. serratella* 5012*Corythucha ciliata* 6831*Cydia funebrana*, on plum 7539*C. pomonella* 2864, 3622, 3624, 5113, 7196*Dacus oleae* 4780*Delia brassicae*, on cabbage 7340*Dendroctonus frontalis* 3556*Dialeurodes citri*, on *Citrus* 6905, 7325

Biological control contd.

of arthropods contd.

- Diaprepes abbreviatus* 3549
 Diaspididae 1281, 6906
Diatraea spp. 7222
 on sugar-cane 4824
D. centrella 229
D. impersonatella, on sugar-cane 6668
D. saccharalis, on sugar-cane 6665, 6668
Diprion similis 4402
 dung-breeding flies 557
Earias insulana 2095
Ectomyelois ceratoniae 1404
Elasmopalpus lignosellus 1304
Epilachna varivestis, on soy bean 3672
Erinnyis ello 4807
Eublemma amabilis 1910
Eulecanium tiliae 1289
Eurygaster integriceps 6352
Fenusa pusilla 1883, 3749
 on *Betula* 4791
 forest pests 968, 5683, 7179
Galleria mellonella 969
Gestronella centrolineata 1389
 glasshouse pests 6908
Hadena sordida 3854-3855
Heliothis spp. 385
 on cotton 7522
H. armigera 468, 2077, 3176, 3178, 3854
H. virescens 695
 on cotton 3698
H. zea, on cotton 3698
Heteronychus arator 3134
Hylotrupes bajulus 3105
Hylurgopinus rufipes 3736
Hyphantria cunea 2723, 6546
Keiferia lycopersicella 1905
 leafrollers 2864
 Lepidoptera 5745
Lepidosaphes beckii 4324
 on *Citrus* 6127, 6134
Leptinotarsa decemlineata 2960
Leucoptera scitella, on apple 7553
Liriomyza sativae 6175
Lymantria dispar 926, 2263, 3168, 3814, 5113, 5448, 6820, 7524
 on *Quercus* 6222
Macrosiphoniella sanborni, on chrysanthemum 7581
Macrosiphum euphorbiae, on *Capsicum* 5635
Mamestra brassicae 2919, 3854-3856
 on cabbage 7340
Margaritita sticticalis 5402
Melanaspis glomerata 1274
Melolontha hippocastani 1510
M. melolontha 1510
 mites 3835
Mythimna separata 3972

Biological control contd.

of arthropods contd.

- Myzus persicae* 970, 1291, 3938, 4796, 5451, 6427, 6906
 on *Capsicum* 5635
 on chrysanthemum 7581
Neodiprion sertifer 204
Nephantis serinopa 311
 on sugar-cane 6640
 Noctuidae 6620
 on cotton 4024
Ophiomyia phaseoli 6156
Ostrinia nubilalis 6623
 on maize 5502, 6678
Oulema melanopus 778
Panonychus ulmi 329, 4017
 on apple 6730, 7541
Parlatoria blanchardii 1988
P. pergandii, on orange 6126
Pectinophora gossypiella 385, 2095
 pests of apple 3478
 pests of *Citrus* 5096
 pests of coffee 4990
 pests of cotton 7396
 pests of glasshouse crops 3964
 pests of grapevine 2853
 pests of potato 6785
 pests of sugar-cane 238
 pests of vegetable crops 6757
Phthorimaea operculella 376, 1277, 1905, 2070
 on potato 5951
Phyllocoptruta oleivora, on *Citrus* 6358
Phyllonorycter blancardella, on apple 7553
Pieris spp. 2919
P. rapae 471
Planococcus citri
 on *Citrus* 6132, 6905
 on grapevine 5943
Plutella xylostella 667
Popillia japonica 2691
 potato aphids 2968
Pristiphora erichsonii 3547, 3833
Pseudococcus comstocki 5747
Quadraspidiotus perniciosus 4311, 5552, 6086
 on apple 6375
Rhopalosiphum padi, on barley 4835
Rhyacionia buoliana 202
 on *Pinus* 5453
 rice stem-borers 3835
Saissetia oleae 2722
 on *Citrus* 5103, 5106, 5108
 on olive 5103, 6130
Schizaphis graminum 291
Scolytus multistriatus 3736, 3752
 on *Ulmus* 6000
S. scolytus 3752
Selenaspis articulatus 1098
Sesamia calamistis 249

Biological control contd.

of arthropods contd.

Sesamia contd.*S. inferens* 773*Sirex noctilio* 188*Sminthurus viridis* 967*Spodoptera littoralis* 2472

sugar-cane borers 4788

termites 3560

Tessarotoma papillosa, on *Litchi**chinensis* 2901

Tetranychidae 977, 3170, 4185, 5472,

5745, 5995, 6906

on cucumber 6903

on cucurbits 6619

Tetranychus arabicus 2891*T. kanzawai* 3840*T. mcdanieli*, on apple 6730*T. neocaledonicus* 203*T. pacificus* 845*T. truncatus*, on *Phaseolus vulgaris*
6417*T. turkestanii* 1638, 2252, 3655, 7666*T. urticae* 908, 973–976, 978, 1638,
2252, 3840, 3938, 4512, 5743–5744,
5793, 7520, 7523

on apple 6109

on cucumber 6909

Thrips tabaci 2101*Thyridopteryx ephemeraeformis* 963

Tipulidae 7589

Tortricidae 3835

Tortrix viridana, on *Quercus* 6832*Trialeurodes vaporariorum* 490, 973,
975, 978, 1639, 1694, 4512, 6903

on cucumber 6151

on tomato 6909, 6919

Tribolium castaneum 3834*Trichoplusia ni* 463, 2733

tropical insect pests 966

tropical tree crop pests 754

Unaspis yanonensis, on *Citrus* 5101,
5581*Wiseana cervinata* 1977*Yponomeuta padellus*, on apple 6019*Zeiraphera diniana* 2157, 2255, 3135

Aphelinidae for 6638

Chrysopa spp. for 971*C. carnea* for 1309, 6354–6355*C. mohave* for 1309

Coccinellidae for 767

computer models for 3478

Cunaxidae for 552

entomopathogenic fungi for 5087

environmental quality and 7635

Formica spp. for 755

genetic problems in production of

agents for 5977

in Canada 2250

in Latin America 6350

in Poland 5092, 6918

microorganisms for 5118

Biological control contd.

of arthropods contd.

pathogens for 3159, 3167

Phygadeuon trichops for 5209

principles of 6371

procedures for 3177

role of natural enemies in 4497

role of parasites in 4494

role of population dynamics in 4496

role of predation models in 765

role of predators in 4493

Tachinidae for 4807

Trichogramma spp. for 6621

viruses for 487, 2265, 6912, 7624

of molluscs, *Helix aspersa* 4784

of plants 2254, 2743, 2750, 6371

Alternanthera philoxeroides 2747,
3563*Ambrosia artemisiifolia* 223*Cardaria draba* 4244*Carduus* spp. 1323, 2377*C. acanthoides* 2742*C. nutans* 2742, 3566, 3972, 6660*Centaurea* spp. 2327*C. diffusa* 6029*Chondrilla juncea* 2754*Cirsium arvense* 4817, 7214

Cruciferae 2745

Cynareae 2327

Cyperus rotundus 1322*Eichhornia crassipes* 2747, 2762, 2971,
3563, 6658*Emex australis* 4241*Eupatorium odoratum* 1324–1326*Hydrilla verticillata* 2747, 2749, 3563*Lantana camara* 1328, 2746, 4240,
6657*Linaria dalmatica* 5479*Ludwigia adscendens* 1322*Myriophyllum spicatum* 2747, 3563*Opuntia* spp. 5112*Orobanchae* spp. 7388*Pistia stratiotes* 1322*Rumex obtusifolius* 2753*Salsola iberica* 2758*Senecio jacobaea* 2755, 3564*Solanum elaeagnifolium* 4242*Solidago* spp. 2759*Sonchus* 2752*Trichodesma incanum* 7212

basic studies required for 2744

biotic interference with insects for
5975

in Australia 7686

in Canada 4243

policy and procedures for 2760

procedures for 2759

testing insect food-plant specificity for
2751**Biolysis**

in Palaearctic region 5235

taxonomy of 5235

biopsidia, Aceria**Biorational chemical agents** 4490**Bioresmethrin** ([5-(phenylmethyl)-3-furanyl]methyl (1*R-trans*)-2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate)

against

Acarus siro 7594*Choristoneura occidentalis* 6821*Chortoicetes terminifera* 5987*Glycyphagus destructor* 7594*Leptinotarsa decemlineata* 5750*Oryzaephilus surinamensis*, in stored wheat 5798

pests of stored wheat 6276

Sitophilus granarius 5798*S. oryzae* 5798*S. zeamais*, in stored maize 7469*Trialeurodes vaporariorum*

on eggplant 5750

on tomato 5750

Tribolium castaneum, in stored wheat 5798*Tyrophagus putrescentiae* 7594

in rat, metabolism of 1695

synergists for, piperonyl butoxide as

5750, 5798, 5987, 6276, 7469, 7594

with oil emulsion, against, *Tribolium castaneum* 5798**Biosteres**

in Austria 2633

parasitising, *Ceratitis coffeae*, in Uganda 1496**Biosteres desideratus** 1496**Biosteres longicaudatus**

biology of 5998

in Pakistan 5998

parasitising, *Dacus* spp., in Pakistan 5998

rearing of, techniques for 5998

Biosteres oophilus

in USA (Hawaii) 1241

parasitising, *Dacus dorsalis*, in Hawaii 1241

traps for 1241

Biosteres wesmali (see *Opius*)**biotae, Oligonychus** (see *O. ununguis*)**Biothion** (see *Temephos*)**Biotin**diet component for, *Oryzaephilus mercator* 2418in *Sitophilus oryzae* diet, requirement for 1757*Tetranychus urticae* feeding response to 1710**Biotrol BTB-183** (see *Bacillus thuringiensis* var. *thuringiensis*)**Biotrol BTB 25 W** (see *Bacillus thuringiensis*)**Biotrol XK** (see *Bacillus thuringiensis* var. *kurstaki*)**[1,1'-Biphenyl]-2-ol**, in foodstuffs, residues of 5140**[1,1'-Biphenyl]-3,3',4,4'-tetramine**, in *Ostrinia nubilalis*, oxidation in brain of 6469**1,1'-Biphenyl**

chlorinated

determination of 3486

in aquatic animals, residues of 6981

in atmosphere

residues of 5211

transport of 2316

in *Callorhinus ursinus*, residues of 5383in *Clupea harengus*, residues of 4560

in duck, residues of 7669

in estuarine fauna, residues of 6409

in fish, residues of 7670

in fowl eggs, residues of 3321

in *Haliaeetus leucocephalus*, residues of 6410

in marine fauna, residues of 6409

in *Pelecanus occidentalis*, residues of 2303in *Perca flavescens*, residues of 4560in *Phoca vitulina*, residues of 3322

in rivers, residues of 6981

in *Salmo gairdneri*, residues of 6411in *Salvelinus namaycush*, residues of 6411

in snow, residues of 2316

in streams, residues of 3331

in *Sturnus vulgaris*, residues of 6402

in vertebrates, effects of 4572

biplaga, Earias**biplagiatus, Pantorhytes****Biprorulus bibax**, scent gland constituents in 41**bipunctalis, Psara**, (*Herpetogramma*)**bipunctata, Adalia****bipunctata, Andraga****bipunctata, Kyboasca****bipunctata, Tetyra****bipunctatus, Cyphagogus****bipunctatus, Megastigmus****bipunctella, Cicadulina****bipunctoria, Glypta****bipustulata, Aleochara****bipustulatus, Chilocorus****bipustulatus, Malachius****4,4'-Bipyridinium, 1,1'-dimethyl-** (see *Paraquat*)**Birch** (see *Betula*)**Birch, grey** (see *Betula populifolia*)**Birch, river** (see *Betula nigra*)**Birch, white** (see *Betula papyrifera*)**Birds**

DDT in

effects on reproduction of 6393

residues of 6979

ieldrin in, residues of 6979

fenitrothion in, toxicity of 5816

Birds *contd.*

in forests

effects of fenitrothion on 916

not affected by insect growth regulators 5656

mirex in, residues of 7665

pesticides in, residues of 7561

preying on

Biston betularia, in England 108

Coleoptera, in New Zealand 2827

Diptera, in New Zealand 2827

forest pests 5092

Hermetia illucens, in Panama 2032*Hylemya coarctata*, in England 800*Hylurgopinus rufipes* 3736*Hyphantria cunea*

in Japan 645

in Moldavia 5980

in Yugoslavia 6546

Lepidoptera, in New Zealand 2827

Leucoma salicis, in Russian Republic 6817*Luperus pinicola*, in West Germany 4420*Malacosoma disstria*, in North Dakota 3068*Mamestra brassicae*, in Japan 870, 873-874*Microcerotermes diversus*, in Iran 7287*Okanagana rimosa*, in Ontario 5985*Oxyacan fuscomaculatus*, in Tasmania 1366*Rhyacionia neomexicana* 3066*Scolytus multistriatus* 3736*Wiseana cervinata*, in New Zealand 1977*Spilostethus pandurus* defensive secretion repellent to 5874**Birlane** (see Chlorfenvinphos)*birmanus*, *Hypothenemus**Bischofia javanica*, *Platypleura albivannata* on, in Japan 1085*Biscirus lapidarius*

in Australia 967

preying on

Bourletiella arvalis, in South Africa 967*Sminthurus viridis*

and biological control using, in South Africa 967

in Australia 967

bispina, *Tetraneura nigriabdominalis**bispinosa*, *Epicauta**bispinosus*, *Scirtothrips**bisselliella*, *Tineola**Bissetia steniella*

control of, insecticides for 816

food-plants of 233

in India 233

in Pakistan 816

Bissetia steniella *contd.*

on sugar-cane

in India 233

in Pakistan 816

Biston betularia

in UK 108

in USSR 4388

industrial melanism in 108

on *Betula*, in USSR 4388

polyhedrosis virus in, in USSR 4388

preyed on by, birds, in England 108

Biston suppressaria (see *Buzura*)*bistortata*, *Ectropis*, (*Boarmia*)*bistridentatus*, *Ips*, (*Pityogenes*)*bituberculata*, *Atherigona* (see *A. simplex*)*bituberculatum*, *Eulecanium**bivittatus*, *Euscyrus**bivittatus*, *Melanoplus**bivittulum*, *Acalymma**bizanensis*, *Microterys**hjerikandrella*, *Tebenna**Blaberus discoidalis*, chordotonal organ in 1764**Blacini**, taxonomy of, revision of 6444**Black gram** (see *Vigna mungo*)**Black gram leaf crinkle virus**, in, *Bemisia tabaci*, transmission of 2049**Blackberry***Orgyia antiqua* on 1032*Tetranychus urticae* on, in Hokkaido Prefecture 7523**Blackbird** (see *Turdus merula*)*blackburni*, *Chelonus**blackburni*, *Hedylepta***Blackeye cowpea mosaic virus** (see Cowpea aphid-borne mosaic virus)**Blackthorn** (see *Prunus spinosa*)*Blacus*, parasitising, *Mamestra brassicae*, in Bulgaria 7189**Bladafum II** (see Sulfotep)*Blaesoxipha kaestneri*

in India 4779

parasitising, *Poeciloceris pictus*, in India 4779*blakeae*, *Colaspis**blancardella*, *Phyllonorycter*, (*Lithocolletis*)*blanchardii*, *Parlatoria**Blaniulus guttulatus*

biology of 4749

control of 4749

pesticides for 2660, 3945, 3950, 7600

in Belgium 2660

in France 3950

in UK 3945, 4749

on maize, in France 3950

on sugar-beet 7600

in Belgium 2660

in England 3945

in France 3950

Blanket flower (see *Gaillardia*)*Blaps halophila*

in Bulgaria 1194

***Blaps halophila* contd.**

population growth in, effects of irrigation
on 1194

Blaps mucronata

biology of 443
in West Germany 443
in stored grain, in West Germany 443
in stored vegetables, in West Germany
443

Blaptostethus piceus pallescens

in Egypt 4836
in maize fields, in Egypt 4836
seasonal abundance of 4836

Blastodacna atra

descriptions of 6113
in Hungary 2012, 4307
in USSR 6113
on apple
in Hungary 2012, 4307
in USSR 6113
parasites of, in Hungary 4307
parasitised by
Copidosoma coleophorae, in Hungary
2012

Entedon spp., in Hungary 2012

Blastodacna putripennella* (see *B. atra*)**Blastophaga quadraticeps***

in India 4603
on *Ficus religiosa*, in Kerala 4603
parasitised by, *Philotrypesis anguliceps*, in
Kerala 4603

Blastophagus destruens* (see *Tomicus*)**Blastophagus minor* (see *Tomicus*)*****Blastophagus piniperda* (see *Tomicus*)*****Blastothrix*, taxonomy of, relation of**

Argutencyrtus and 16

Blastothrix confusa

in Czechoslovakia 1195
parasitising, *Parthenolecanium corni*, in
Czechoslovakia 1195
preying on, *Parthenolecanium corni*, in
Czechoslovakia 1195

Blastothrix longipennis

biology of 1289
in Canada 1289
parasitised by, *Coccophagus lycimnia*, in
British Columbia 1289
parasitising, *Eulecanium tiliae*, in British
Columbia 1289

***Blastothrix sericea*, parasitising, *Eulecanium tiliae*, and biological control using, in
British Columbia 1289*****Blatta orientalis***

control of 6857
insecticides for 7652

Blattaria

cell lines of, culture medium for 1831
control of 6856
enzymes in 2398
in mills, in Yugoslavia 4485
radiosensitivity of 6597

Blattella germanica

control of 6857
baits for 7590
growth regulators for 7590
inert atmospheres for 7457
insecticides for 5788
in Japan 7457
in UK 7590
in milk powder 7453
in Japan 7457
seasonal abundance of 7457
vitellogenin in 7051

Blattisocius tarsalis* (see *Melichares*)**Blennocampa pusilla***

in Poland 1503
on rose, in Poland 1503

Blepharidopterus angulatus

biology of 797
in UK 796–797
population increase in, relation of prey
consumption and 2716
preying on
Cydia pomonella, in England 796
Panonychus ulmi, in England 797

Blepharigena erythrocerca

in USSR 1872
parasitising

Arctia caca, in USSR 1872
Hadena illoba, in USSR 1872
Orthosia gracilis, in USSR 1872

Blepharipa*, parasitising, *Dendrolimus punctatus*, in Vietnam 3740**Blepharipa scutellata***

in USA 3750, 4214
in Yugoslavia 5361
parasitising

Lymantria dispar

in Connecticut 3750
in Europe 3168
in Massachusetts 4214
in Yugoslavia 5361
population dynamics of 5361

Blepharipoda* (see *Blepharipa*)**Blepharipoda scutellata* (see *Blepharipa*)*****Blissus*, on rice, in Papua New Guinea
4852*****Blissus insularis***

control of, insecticides for 2822
in USA 2822
on *Stenotaphrum secundatum*, in Florida
2822

Blissus leucopterus

in Puerto Rico 1975
on *Digitaria decumbens*, in Puerto Rico
1975
on *Panicum maximum*, in Puerto Rico
1975

***Blondelia*, parasitising, *Urbanus proteus*, in
Colombia 3540*****Blondelia hyphantriae***

in USA 1916

- Blondelia hyphantriae** *contd.*
parasitising, *Plathypena scabra*, in Iowa 1916
- Blood**, parathion in, determination of 7151
- Blood-brain barrier**, in *Ostrinia nubilalis* 6469
- Blood coagulation**, in *Macrosiphum euphorbiae* 5851
- Bluegill** (see *Lepomis macrochirus*)
- blumi**, *Solenopsis*
- Boarmia bistortata** (see *Ectropis*)
- Boarmia selenaria reciprocara** (see also *Ascotis selenaria reciprocara*)
control of
antifeedants for 5653
biological 4990
in Kenya 4990
on coffee, in Kenya 4990
- boas**, *Oryctes*
- Bocchini**, parasitising, Auchenorrhyncha 6012
- Bocchoropsis pharaxalis**
biology of 5652
in Colombia 5652
on cacao
damage caused by 5652
in Colombia 5652
- Bochartia**, parasitising, *Amrasca biguttula*, in India 7193
- bochei**, *Pseudeucoila*
- bodkini**, *Trissolcus*
- boerhaaviaefoliae**, *Punarnavomyia*
- Boerhavia diffusa**, *Punarnavomyia*
boerhaaviaefoliae on, galls of 7154
- boernerii**, *Cinara*
- Boethoos dispar** (see *Harmonides*)
- boeticus**, *Lampides*, (*Cosmolyce*)
- boisduvalii**, *Diaspis*
- Bolacidothrips graminis**
in Egypt 4836, 5506
on maize, in Egypt 4836, 5506
preyed on by, *Paederus alfieri*, in Egypt 5506
seasonal abundance of 4836
- Bolitophagini**
defensive behaviour in 2403
defensive secretion in 2403
- bolivari**, *Copidosoma*
- Bolivia**
Dactylopius ceylonicus in 555
Drosophila gaucha in 2532
- bolliana**, *Gretchena*
- Bombinae**
on *Trifolium pratense*, as pollinator 3550
predators of, in North America 3550
- Bombus**
parasitised by, Diptera, in Ontario 6003
Parasitus spp. associated with, in Alberta 5992-5993
- Bombus bifarius**
in Canada 5993
- Bombus bifarius** *contd.*
Parasitus spp. associated with, in Alberta 5993
- Bombus frigidus**
in Canada 5993
Parasitus spp. associated with, in Alberta 5993
- Bombus occidentalis**
in Canada 5993
Parasitus spp. associated with, in Alberta 5993
- Bombyliidae**
hosts of 4806
literature on 4806
morphology of 4806
- Bombyx mori**
Bacillus thuringiensis in
dispersal of δ -endotoxin of 1581
effects of food-plant on susceptibility to 4459
effects of pH on pathogenicity of 4473
pathogenicity of 3849
- Beauveria bassiana* in 4469
- B. tenella* in 4469
- brain hormone in 4069
- Chilo* iridescent virus in
effects of 3829
infectivity of 3828
- cocoon size and voltinism in 7048
- cocoon weight in, inheritance of 7092
- cuticle in
mechanical properties of 4050
properties of 5274
- cytoplasmic polyhedrosis virus in 2193
properties of 1586
recovery from soil of 2220
structure of 7498
- development in
effects of diet on 5394
steroidal allenes as inhibitors of 7053
- diapause hormones in 4057
- diapause in 4060
effects of ouabain on 4059
role of hormones in 2437
substances determining 5293
- emergence and wing expansion in 1754
- enzymes in 959, 4060, 4645
- genetics of 5312
- glucose in, effects of temperature on metabolism of 4626
- JH mimics in, activity of 2445
- mechanocardiograms of 4157
- metamorphosis in, role of hormones in 2437
- mortality in, effects of diet on 5394
- Nomuraea rileyi* in, effects on development of 7500
- Nosema mesnili* in 2236
- nuclear polyhedrosis virus in 481, 2198
effects of 3829
infectivity of 954, 2239
pathogenicity of 3849

***Bombyx mori* contd.**

- nuclear polyhedrosis virus in *contd.*
- properties of 3810–3811
- oligopyrene spermatids in 7042
- on *Scorzonera hispanica*, development of 5933
- ovaries in, effects of diapause hormone on glycogen synthesis in 6506
- parthenogenesis in, artificial stimulation of 7040
- phytoecdysones in, detoxication of 4062
- polymorphism in, role of hormones in 2437
- respiration in, effects of temperature on 4626
- sex pheromone of, neural responses to 5282
- silk gland in
 - carotenoid uptake by 5295
 - development of 5244
- silk of 4049
- spermiogenesis in, effects of cecropia hormone on 5304
- starvation in, glycine incorporation during 6476
- sterols in, inhibitors of metabolism of 5260
- suboesophageal ganglion in
 - diapause factor in 5870
 - inducing cuticular melanisation in *Mythimna separata* 5869

Bomolocha tristalis* (see *Hypena*)**bonariensis*, *Hyperodes******bonatii*, *Pronematus******bondari*, *Paraleyrodes*****Bone meal**

- insects associated with, in Maharashtra 1549
- pests of 5699

Books (for notices and reviews of books, see Reviews)

- Gastrallus indicus* in
 - damage caused by 5068
 - in India 5068
- Psocidae in, in Canada 6875

Boophilus microplus*, control of, acaricides for 5788**boops*, *Trichospilus*****Borax**

- bait component for
 - Ceratitis capitata* 2568
 - Dacus cucurbitae* 2568
 - D. dorsalis* 2568
 - D. oleae* 1181

borchsenii*, *Acanthococcus**Bordeaux mixture**

- in *Amblyseius aberrans*, toxicity of 2253
- with cyanophos, against, *Eupoecilia ambiguella*, on grapevine 1999
- with fenitrothion, against, *Eupoecilia ambiguella*, on grapevine 1999

Bordeaux mixture contd.

- with methyl-parathion, against, *Eupoecilia ambiguella*, on grapevine 1999
- with quinalphos, against, *Eupoecilia ambiguella*, on grapevine 1999

borealis*, *Ips***borealis*, *Pemphigus******borealis*, *Trirhabda******Boreoiulus tenuis***

- biology of 4749
- control of 4749
- pesticides for 2660
- in Belgium 2660
- in UK 4749
- on sugar-beet, in Belgium 2660

Boreovespula*, in Japan and Sakhalin 7022*Boric acid ($H_2B_4O_7$), disodium salt, against, *Tetranychus urticae*, on *Phaseolus* 6935*****Boriomyia subnebulosa* (see *Kimminsia*)****Boron, in fertilizer-insecticide sprays 6707*****Borrelinavirus*, in, *Biston betularia*, in USSR 4388*****Borrelinavirus agrotidis*, in, Lepidoptera, pathogenicity of 5092*****Borrelinavirus littoralis*, in, *Spodoptera littoralis*, development of infection with 961*****Borrelinavirus litura* (see *B. littoralis*)*****Borrelinavirus neustriae*, in, Lepidoptera, pathogenicity of 5092*****Borrelinavirus reprimens***

- in
 - Lymantria monacha* 1878
 - Sarcophagidae, effects of 1878

Bos indicus* (see Zebu)**Bos taurus* (see Cattle)*****Bostrichus capucinus***

- descriptions of 3104
- in Finland 3104
- in Sweden 3104
- in *Quercus* timber, in Finland 3104

Bostrychidae*, parasitised by, *Sclerodermus domesticus* 3105**bostrychophilus*, *Liposcelis******Bothriopterus oblongopunctatus* (see *Pterostichus*)*****Bothrogonia ferruginea***

- in Malaysia 861
- on *Phaseolus aureus*, in Malaysia 861

Bothrotes fortis

- in USA 4283
- preying on, *Mocis* spp., in Florida 4283

Bothynoderes punctiventris

- control of, insecticides for 5467, 7365
- in Bulgaria 7365
- in USSR 5467
- on beet 6613
- in Bulgaria 7365
- in USSR 5467
- parasites of
 - effects of insecticides on 5467
 - effects of ploughing on 5467

***Bothynoderes punctiventris* contd.**

parasitised by, *Xenocrepis* spp., in USSR 5467

Bothynus*, on sugar-cane, in Dominican Republic 7225**Bothynus cuniculus***

flight activity in 4825
in Guadeloupe 4825
traps for 4825

Bothynus ebenus

flight activity in 4825
in Guadeloupe 4825
traps for 4825

Bothynus gibbosus

bacteria in, in Texas 153
biology of 153, 4357
control of 4357
food-plants of 153
fungi in, in Texas 153
in USA 153, 4357
on sunflower, in Texas 4357
parasitised by

Gymnoprosope argentifrons, in Texas 153

Sarcophaga sarracenioides, in Texas 153

preyed on by

Carabidae, in Texas 153

Rhizoglyphus echinopus, in Texas 153

botrana*, *Lobesia

(*Polychrosis*)

Botrydiploidia theobromae*, in, cacao, in Malaya 4382**Botrytis*, in, grapevine, after attack by *Lobesia botrana* 5548*****Botrytis cinerea*, in, grapevine, in Hungary 317****Botswana**

Heliothis armigera in

on cotton 3858

on sorghum 468, 2777, 3858

light-trap grid in 1224

Psammotermes allocerus in 1312

Schedorhinotermes lamanianus in 1311

bouceki*, *Eurytoma***boudreauxi*, *Macrocheles******Bougainvillea glabra*, cucumber mosaic virus in, in Uttar Pradesh 3122*****Bourletiella arvalis***

in South Africa 967

preyed on by, *Biscirus lapidarius*, in South Africa 967

Boverin* (see *Beauveria bassiana*)**Box elder* (see *Acer negundo*)*****Box elder bug* (see *Leptocoris trivittatus*)*****Boxcars*, Coleoptera in, in Canada 6293****BPMC (see Phenol, 2-(1-methylpropyl)-, methylcarbamate)*****Brabejum*, pests of, in South Africa 4387*****Brachaspis collinus***

in New Zealand 741

***Brachaspis collinus* contd.**

in alpine tussock grassland damage caused by 741
in New Zealand 741

Brachaspis nivalis

in New Zealand 741, 2831
in alpine tussock grassland damage caused by 741
in New Zealand 741
in grassland, in New Zealand 2831
population dynamics of 2831

Brachiaria decumbens*, *Schizaphis* spp. on, in Queensland 298**Brachiaria distachya***

Matsumuratettix hiroglyphicus on, development of 256
sugar-cane white leaf disease, causal agent in, in Taiwan 256

Brachiaria mutica*, *Marasmia trapezalis* on, in Madhya Pradesh 3569**Brachmia macroscopa***

control of, insecticides for 2075
in India 2075
on sweet potato, in Haryana 2075

Brachycaudus

in Europe 6453
keys to 6453
on Caryophyllaceae 6453

Brachycaudus amygdalinus

control of, insecticides for 1407
Entomophthorales in, in Italy 1407
in Italy 1407-1408
on almond, in Italy 1407-1408
on *Malva sylvestris*, in Italy 1408
on plum, in Italy 1408
parasitised by, *Ephedrus* spp., in Italy 1407
predators of, in Italy 1407
preyed on by, *Deraeocoris flavilinea*, in Italy 1408

Brachycaudus cardui

biology of 1438
celery (western) mosaic virus in, transmission of 3113
control of, insecticides for 1438
in Bulgaria 1390
in Italy 1438
in Poland 1926
on Cruciferae, in Poland 1926
on globe artichoke, in Italy 1438
on strawberry, in Bulgaria 1390
plum pox virus in, transmission of 5720
rearing of, diets for 5924

Brachycaudus helichrysi

cardamom (greater) mosaic streak virus in, transmission of 946
cardamom mosaic virus in, transmission of 145
control of, insecticides for 1407
Entomophthorales in, in Italy 1407
in Bulgaria 1390
in France 7549

***Brachycaudus helichrysi* contd.**

- in India 145, 946
- in Italy 1407–1408
- in UK 5601, 7581
- on almond, in Italy 1407–1408
- on chrysanthemum, in England 7581
- on *Malva sylvestris*, in Italy 1408
- on plum
 - in France 7549
 - in Italy 1408
- on strawberry, in Bulgaria 1390
- on *Vicia faba*, in Scotland 5601
- parasitised by, *Ephedrus* spp., in Italy 1407
- plum pox virus in, transmission of 5572
- predators of, in Italy 1407
- preyed on by, *Deraeocoris flavilinea*, in Italy 1408
- Verticillium lecanii* in, and biological control using, in UK 7581

Brachycaudus persicae

- control of, insecticides for 1407
- Entomophthorales in, in Italy 1407
- in Italy 1407–1408
- on almond, in Italy 1407–1408
- on *Malva sylvestris*, in Italy 1408
- on plum, in Italy 1408
- on *Prunus* 6453
- on Scrophulariaceae 6453
- parasitised by, *Ephedrus* spp., in Italy 1407
- predators of, in Italy 1407
- preyed on by, *Deraeocoris flavilinea*, in Italy 1408

Brachycaudus persicaeniger* (see *B. persicae*)**brachycerus, Bermius******Brachycolus***

- in Turkey 6038
- on barley, toxemia caused by 6038
- on oats, toxemia caused by 6038
- on wheat, toxemia caused by 6038

Brachyderes*, in West Germany 5684**Brachydesmus superus***

- biology of 4749
- control of 4749
- pesticides for 3945
- in UK 3945, 4749
- on sugar-beet, in England 3945

Brachygrammatella*, keys to 6436**Brachygrammatella indica***

- sp. n., description of 2337
- in India 2337, 6436
- parasitising
 - Oxyrhachis* spp., in India 2337
 - O. tarandus*, in Uttar Pradesh 6436
- taxonomy of 6436

Brachymeria

- hyperparasitising, *Anomis texana*, in Peru 2708
- parasitising
 - Anarsia epotias*, in India 151

Brachymeria* contd.*parasitising contd.**

- Eucosma hapalosarca*, in Pakistan 3758
- Hedylepta indicata*, in Réunion 4801
- Nephantis serinopa*, in India 1914
- Phthorimaea operculella*, in Maharashtra 1278
- Rogas gossypii*, in Peru 2708
- taxonomy of, characters distinguishing
 - Stomatoceras sulcatiscutellum* and 1914

Brachymeria comitator

- in Dominican Republic 7224
- parasitising, *Calisto pulchella*, in Dominican Republic 7224

Brachymeria croceogastralis

- in India 5464
- parasitising, *Perina nuda*, in Tamil Nadu 5464

Brachymeria euploae

- in Indonesia 726
- parasitising, *Erionota thrax*, in Indonesia 726

Brachymeria excarinata

- in India 2798, 3614
- parasitising
 - Cnaphalocrocis medinalis*, in Kerala 2798
 - Nephantis serinopa*, in Kerala 3614
- taxonomy of, characters distinguishing *B. lasus* and 3614

Brachymeria excarinata plutellae

- subsp. n., description of 1087
- in India 1087
- parasitising, *Apanteles plutellae*, in Karnataka 1087

Brachymeria femorata

- amino acids in 1148
- in USSR 6767
- oviposition in 1148
- parasitising
 - Pieris rapae* 1148
 - in Caucasus 6767

Brachymeria intermedia

- host recognition in, influenced by kairomones 5442
- in USA 3750
- parasitising
 - Lymantria dispar* 5442
 - in Connecticut 3750
- pesticides in, toxicity of 5205

Brachymeria lasus

- in India 3614, 4786
- parasitising
 - Mocis undata*, in Madhya Pradesh 4786
 - Nephantis serinopa*, in Kerala 3614
- taxonomy of, characters distinguishing *B. excarinata* and 3614
- Brachymeria lugubris*, descriptions of 12
- Brachymeria megaspila*, descriptions of 12

- Brachymeria nephantidis**, taxonomy of, characters distinguishing *B. tachardiae* and 12
- Brachymeria obscurata**
in Japan 1886
parasitising, *Pieris rapae*, in Kagawa Prefecture 1886
- Brachymeria porthetrialis**
sp. n., description of 1087
in India 1087
parasitising, *Lymantria* spp., in Karnataka 1087
- Brachymeria secundaria**
biology of 1275
hyperparasitising, *Lymantria dispar*, in Ukraine 6002
in Bulgaria 1275
in USSR 6002
parasitising
 Heliothis armigera, in Bulgaria 1275
 Meteorus pulchricornis, in Ukraine 6002
- Brachymeria tachardiae**
descriptions of 12
parasitising, *Eublemma amabilis* 12
taxonomy of, characters distinguishing *B. nephantidis* and 12
- Brachynema germari**
in Iran 3808
 Nematospora coryli in, in Iran 3808
- Brachynema signata**
in Iran 3808
 Nematospora coryli in, in Iran 3808
- brachyntera, Thecodiplosis**
- Brachypeplus depressus**
in Ghana 400
on cacao, in Ghana 400
 Phytophthora palmivora in, transmission of 400
- brachyphylla, Oncopera**
- brachyphyllus, Pleurarius**
- Brachypodium ramosum, Eriopeltis festucae**
on 6994
- Brachyponera croceicornis**
in Papua New Guinea 1490
on cacao, in Papua New Guinea 1490
- brachyptera, Euthystira**
- brachyptygus, Adoretus**
- Brachyrhinus sulcatus** (see *Otiorhynchus*)
- Brachytarsus nebulosus**
biology of 1906
food of 1906
in East Germany 1906
preying on
 Physokermes hemicyphus, in East Germany 1906
 P. piceae, in East Germany 1906
- Brachytrypes membranaceus**, on *Cola*, in West Africa 4245
- Bracon**
genetics of 5312
- Bracon contd.**
parasitising
 Asphondylia capsici, in Tamil Nadu 7384
 A. sesami, in Uttar Pradesh 2982
 Cydia pseudonectis, in Madhya Pradesh 7203
 Mocis frugalis, in Karnataka 3578
- Bracon chinensis**
biology of 2715
descriptions of 2715
parasitising
 Chilo spp. 2715
 Scirpophaga incertulas 2715
 Sesamia inferens 2715
- Bracon gelechiæ**
in India 1278
parasitising
 Corcyra cephalonica 1902
 Galleria mellonella 1114
 Phthorimæa operculella 1902
 in Karnataka 1278
rearing of, economics of 1902
venom of 1114
- Bracon gemmaecola**
in USA 3032
parasitising
 Rhyacionia frustrana, in Florida 3032
 R. subtropica, in Florida 3032
- Bracon greeni**
dispersal in 1910
in China 1910
in India 2116
parasitising
 Alcidodes waltoni, in Tamil Nadu 2116
 Eublemma amabilis, and biological control using, in Kwangtung Province 1910
- Bracon hebetor**
carbaryl in, effects on reproduction of 5187
dichlorvos in, toxicity of 501
egg production in, effects of JH mimics on 1770
in Bangladesh 5711
in Cyprus 501
in Italy 407
in Taiwan 4229
in USA 441
in milk powder, attractants for 7454
oogenesis in, effects of γ -irradiation and chemicals on 3232
parasitising
 Ephestia calidella, in Cyprus 501
 E. cautella
 in Cyprus 501
 in Florida 441
 E. figulilella, in Cyprus 501
 E. kuehniella 2571
 Epichoristodes acerbella, in Italy 407

Bracon hebetor contd.

parasitising contd.

Heliothis armigera, and biological control using, in USSR 3854*Sitotroga cerealella*, in Bangladesh 5711

venom of 1114

Bracon hylobii

in West Germany 3071

parasitising, *Hylobius abietis*, in West Germany 3071**Bracon kirkpatricki**parasitising, *Pectinophora gossypiella* 5441

population dynamics of 5441

Bracon maculiger, parasitising, *Coraebus florentinus*, in Italy 4409**Bracon mellitor**

emergence in 3551

in USA 2742, 2761, 3551

parasitising

Anthonomus grandis 2203

in Mississippi 3551

Rhinocyllus conicus, in Virginia 2742, 2761

rearing of, effects of host microsporidia on 2203

Bracon nigricans

in Italy 407

parasitising, *Epichoristodes acerbella*, in Italy 407**Braconidae**

body size in 182

hosts of

in Malaysia 2148

in New South Wales 6618

in Romania 2634

in sugar-beet fields

effects of insecticides on 3299

in Poland 3299

in rice-fields, in Tokushima Prefecture 1354

in warehouses, in Maharashtra 1549

keys to 3843

nocturnal species of 5825

parasitised by

Eurytoma goidanichi, in USSR 6001*E. verticillata*, in USSR 6001

parasitising

Chilo polychrysus, in Malaya 4849*Cnephasia interjectana* 4405*Cydia anaranjada*, in USA 911*Ephestia kuehniella* 7082*Ips subelongatus*, in Tuva ASSR 5694

leaf miners, in England 6632

Lepidoptera

in Hungary 4211

in Japan 3841

in Switzerland 2128

Mocis spp., in Florida 4283*Orgyia antiqua*, in West Germany 3030**Braconidae contd.**

parasitising contd.

Phyllonorycter corylifoliella, in Netherlands 6719*Phytomyza horticola*, in India 855*Rhyacionia duplana*, in Spain 4395

rice pests, in Sierra Leone 833

rice stem-borers 3843

Stomopteryx palpilineella, in Pennsylvania 6653**Bradybatus creutzeri**

biology of 5015

distribution of 5015

on *Acer campestre*, in Europe 5015

on herbaceous plants

in Bulgaria 5015

in Greece 5015

Bradybatus tomentosus

in USSR 2331

on *Acer platanoides*, in Ukraine 2331

parasitised by

Eurytoma acericola, in Ukraine 2331*Susteraia acerina*, in Ukraine 2331**Brahmina plagiatus**

in India 2108

on tea, in Assam 2108

Bran

bait component for

Agrotis ipsilon 987*Heliothis zea* 2923

Noctuidae 152

carrier for *Nosema* spores 473diet component for, *Galleria mellonella* 3508

in locust diet, effects on water relations of 1255

Branta canadensis, carbophenothion in, toxicity of 3919**brasiliensis**, *Eurhizococcus***brasiliensis**, *Picturaphis***brasiliensis**, *Trichogramma***Brassica***Brevicoryne brassicae* on, in Poland 1450*Ceutorhynchus assimilis* on, in East Germany 352*Colaphellus hoeftii* on 4244*Evergestis forficalis* on, in UK 626*Gastrophysa atrocyanea* on 2753*Hylemya brassicae* on, in Poland 1450*Lipaphis erysimi* on

in Punjab 348

resistance to 348

pest control on 3956, 5113

pests of, in Poland 1318

Pieris brassicae on, in Poland 1450*Tana paulseni* on, in Chile 685*Tripeuxoa strigata* on, in Uruguay 5404**Brassica botrytis** (see *Cauliflower* and *broccoli*)**Brassica campestris** (see also *Mustard* (*Brassica campestris*))

insecticides in, toxicity to bees of 7672

Brassica campestris *contd.*

Lachnosterna consanguinea on, in
Rajasthan 999

Brassica campestris subsp. *rapifera* (see
Turnip)

Brassica campestris var. *napobrassica* (see
Swede)

Brassica campestris var. *oleifera* (see Turnip
rape)

Brassica campestris var. *sarson*, *Brevicoryne*
brassicae on, in Himachal Pradesh 7336

Brassica capitata (see Cabbage)

Brassica caulorapa (see Kohlrabi)

Brassica chinensis (see Cabbage, Chinese)

Brassica fimbriata (see Kale)

Brassica gemmifera (see Brussels sprouts)

Brassica juncea (see also Mustard (*Brassica*
juncea))

Lipaphis erysimi on
in Punjab 348

resistance to 348

Liriomyza brassicae on, in Madhya
Pradesh 3519

Brassica napobrassica (see Swede)

Brassica napus var. *esculenta* (see Swede)

Brassica napus var. *napobrassica* (see
Swede)

Brassica napus var. *oleifera* (see Rape)

Brassica napus var. *rapifera* (see Swede)

Brassica oleracea

Lachnosterna consanguinea on, in
Rajasthan 999

Pieris rapae on
in New York 3654
resistance to 3654

Trichoplusia ni on
in New York 3654
resistance to 3654

Brassica oleracea var. *acephala* (see Kale)

Brassica oleracea var. *botrytis* (see
Cauliflower and broccoli)

Brassica oleracea var. *capitata* (see
Cabbage)

Brassica oleracea var. *caulorapa* (see
Kohlrabi)

Brassica oleracea var. *chinensis* (see
Cabbage, Chinese)

Brassica oleracea var. *gemmifera* (see
Brussels sprouts)

Brassica oleracea var. *gongyloides* (see
Kohlrabi)

Brassica oleracea var. *viridis* (see Kale)

Brassica pekinensis (see Cabbage, Chinese)

Brassica rapa subsp. *oleifera* (see Turnip
rape)

Brassica rapa subsp. *rapa* (see Turnip)

brassicae, *Alloxysta*

brassicae, *Brevicoryne*

brassicae, *Dasineura*

brassicae, *Delia*

(*Anthomyia*)

(*Chortophila*)

brassicae, *Delia* *contd.*

(*Erioischia*)

(*Hylemya*)

(*Phorbia*)

brassicae, *Liriomyza*

brassicae, *Mamestra*

(*Barathra*)

brassicae, *Pieris*

brassicaria, *Cylindromyia*

Braula coeca

in South Africa 5954

pest of honeybee, in South Africa 5954

Brazil

Acalymma bivittulum in, on groundnut
4957

Aleurodicus cocois in

natural enemies of 2005

on *Anacardium occidentale* 2005

Amblyseius brazilli in 6437

Ammalo helops in, on *Ficus nitida* 5574

Anastrepha bahiensis in 2667

A. fraterculus in, on apricot 5573

Anticarsia gemmatilis in

natural enemies of 5732

on soy bean 2934, 5732

aphids in 678

on potato 2072

on Solanaceae 2072

Atta spp. in, on sugar-cane 6670

A. opaciceps in 4766-4768

A. sexdens in, natural enemies of 3531

Automeris irene in, on sugar-cane 5981

Bemisia tabaci in

on bean 4939

on cotton 154

on *Phaseolus* 154

on soy bean 154

Callosobruchus maculatus in, in stored
cowpeas 936

Castnia licus in, on sugar-cane 4824

Cathartus quadricollis in, in stored maize
2173

Chabuata major in 1798

Chalcodermus bimaculatus in 4945

on *Vigna unguiculata* 4946

Cicinnus callipius in, on *Anacardium*
occidentale 4892

Coccidae in 1715

Conotrachelus psidii in, on guava 345

Contarinia sorghicola in, on sorghum
4870

Diabrotica speciosa in 4761

Dialeurodes citrifolii in, on *Citrus* 2025

Diapsidini in 1714

Diatraea spp. in

natural enemies of 6438

on sugar-cane 4824, 6669

D. saccharalis in 4700

Drosophila gaucha in 2532

Dysmicoccus cryptus in, on coffee 4988

Eacles magnifica in, on *Anacardium*
occidentale 4891

Brazil contd.

- Elasmopalpus lignosellus* in 4700
 on soy bean 2054, 4953
Enneothrips flavens in, on groundnut
 368, 1461–1462, 7361
Erinnyis ello in
 natural enemies of 4807
 on *Hevea brasiliensis* 3734
Eriophyes lantanae in, on *Lantana camara*
 222
Eurybia misellivestis in, on sugar-cane
 5981
Euschistus heros in, on soy bean 367
Forcipomyia spp. in, on cacao 1493,
 2102, 4383
F. fuliginosa in 5463
Hedylepta indicata in, on soy bean 3675
Heliothis zea in 694, 4700
 on maize 281
Hyponeuma taltula in, on sugar-cane
 5981
 Ichneumonidae in 1884
 Lepidoptera in, on crops 5243
Leucoptera coffeella in, on Brazil 7404
Lyta dimidiata in, on *Phaseolus vulgaris*
 4937
Mahanarva fimbriolata in, on sugar-cane
 4824
M. posticata in, on sugar-cane 4824,
 6669–6670
 man in, organochlorine residues in 3320
 Margarodinae in 155
Marshallius spp. in, on *Anacardium*
occidentale 2004
Mycetaspis bezerrai in, on *Anacardium*
occidentale 1719
Myzus persicae in, on tomato 679
Nezara viridula in, on soy bean 367
Oiketicus kirbyi in, on banana 7329
Orthezia praelonga in, on lemon 5586
Pachylia ficus in, natural enemies of
 4807
Panonychus citri in, on *Citrus* 1428
Pantomorus glaucus in 4760
Paraleyrodes bondari in, on *Citrus* 2025
 Pentatomidae in, on soy bean 1457
Phthorimaea operculella in, in stored
 potatoes 4970
Piezodorus guildinii in, on soy bean 367
Plusia spp. in, on soy bean 2934
Plutella xylostella in, on cabbage 1440
Polyphagotarsonemus latus in, on cotton
 1486
 potato in, pests of 4970
Selenothrips rubrocinctus in
 on *Anacardium occidentale* 6717
 on cacao 1491
Sibine nesea in, on *Ricinus communis*
 3696
Solenopsis spp. in, natural enemies of
 3531

Brazil contd.

- soy bean in
 insect pests of 6779
 pest control on 6779
Stegasta basqueella in, on groundnut
 4956
Stiphra robusta in, on *Anacardium*
occidentale 4893
 Tachinidae in 4807–4808
Teleonemia prolixa in, on *Lantana camara*
 4240
 Tenuipalpidae in 6550
 Tetranychidae in 6451
Tetranychus urticae in, on cotton 6796
Unaspis citri in, natural enemies of 3362
Utetheisa ornatrix in 694, 4700
Xanthopastis timais in, on Amaryllidaceae
 2112
 Xyleborini in, in forests 5692
brazilli, Amblyseius
Bread, γ -BHC in, residues of 5782
Bregmatothrips venustus
 descriptions of 1246
 in Peru 1246
 on *Cynodon dactylon*, in Peru 1246
Brestan (see Fentin acetate, with maneb)
Brestanol (see Fentin chloride)
Brevennia rehi
 control of, insecticides for 828
 in India 828
 on rice, in Tamil Nadu 828
brevicauda, Gascardia, (Ceroplastes)
brevicaudis, Megastigmus
brevicollis, Hauptmannia
brevicollis, Microctonus
brevicollis, Nebria
Brevicommin (see 6,8-Dioxabicyclo[3.2.1]octa-
 ne, 7-ethyl-5-methyl-)
brevicomis, Dendroctonus
brevicornis, Eurhizococcus
brevicornis, Rhopalicus
brevicornis, Tribolium
brevicornis, Trioxy
Brevicoryne barbareae
 in India 7135
 on *Barbarea vulgaris*, in Himachal
 Pradesh 7135
 on *Nasturtium*, in Himachal Pradesh
 7135
Brevicoryne brassicae
 biology of 3836
 cauliflower mosaic virus in, transmission
 of 2043
Chrysopa lanata not preying on 780
 control of 2043
 crop management for 7582
 insecticides for 2950, 4329, 4921,
 5817, 7336, 7339
 integrated 7340
Erysimum latent virus in, not transmitted
 6146

Brevicoryne brassicae *contd.*

- hyperparasites of
 - in New Zealand 1895
 - in Pakistan 856
 - transfer of radiocarbon to 5927
- hyperparasitised by, *Alloxysta brassicae* 3542
- in Chile 4329
- in Czechoslovakia 4921
- in India 7336, 7339
- in Japan 3836
- in Kenya 3802
- in New Zealand 1895
- in Pakistan 856
- in Peru 176
- in Poland 1450, 1926, 2950, 6761
- in Sweden 5596
- in UK 2043, 7582, 7601
- in USSR 6355, 7340
- life-history of 2043
- on *Brassica campestris* var. *sarson*, in Himachal Pradesh 7336
- on broccoli, in UK 2043
- on brussels sprouts
 - development of 6766
 - effects of intra-crop diversity on 7582
 - in England 7582
 - in UK 2043
- on cabbage
 - in Chile 4329
 - in Czechoslovakia 4921
 - in Delhi 7339
 - in Moldavia 6355, 7340
 - in Poland 2950
 - in UK 2043
- on cauliflower
 - in Delhi 7339
 - in UK 2043
- on Cruciferae, in Poland 1926
- on crucifers, in Poland 6761
- on kale, uptake of radiocarbon by 5927
- on oil-seed crops, in Sweden 5596
- on *Passiflora ligularis*, in Kenya 3802
- on passion fruit, in Kenya 3802
- on rape
 - in England 7601
 - uptake of radiocarbon by 5927
- on swede, in UK 2043
- on tobacco, in Japan 3836
- parasites of, transfer of radiocarbon to 5927
- parasitised by
 - Aphelinus asychis*, in Pakistan 856
 - Diaeretiella rapae* 3542, 5927
 - in Japan 3836
 - in New Zealand 1895
 - in Pakistan 856
 - Ephedrus* spp., in Pakistan 856
- pea enation mosaic virus in, not transmitted 3112
- predators of, in Pakistan 856

Brevicoryne brassicae *contd.*

- preyed on by
 - Chrysopa carnea*, and biological control using, in Moldavia 6355
 - C. septempunctata*, in Japan 3836
 - C. zastrowi* 4223
- Chrysopidae, and biological control using 7340
- Coccinella septempunctata* 1285
 - in Japan 3836
- Episyrphus balteatus*, in Japan 3836
- Harmonia axyridis* 1285
- Ischiodon aegyptius* 4775
- Menochilus sexmaculatus* 7199
- Paragus aegyptius* 4774
- Scymnus interruptus* 179
- Sphaerophoria rueppellii* 4776
- progeny of, transfer of radiocarbon to 5927
- rearing of, diets for 5924
- turnip mosaic virus in, transmission of 5725
- brevidens*, *Crossotarsus*
- brevinervis*, *Szelenyinus*
- Brevipalpus*, in Mexico 1722
- Brevipalpus californicus*
 - in Sri Lanka 1498
 - on tea, in Sri Lanka 1498
- Brevipalpus lewisi*
 - control of, acaricides for 1998
 - in Bulgaria 1998
 - on grapevine, in Bulgaria 1998
- Brevipalpus obovatus*
 - acaricide resistance in, in Taiwan 1403
 - biology of 3440, 3725
 - chromosomes in 2453
 - control of, acaricides for 3725
 - descriptions of 3440
 - food-plants of 3440
 - in Brazil 6550
 - in Bulgaria 3725
 - in Egypt 3440
 - in Taiwan 1403
 - on *Adhatoda vasica*, development of 3440
 - on grapevine, in Taiwan 1403
 - on *Myoporum pictum*, development of 3440
 - on ornamental plants, in Bulgaria 3725
 - on sweet potato, development of 3440
- Brevipalpus phoenicis*
 - control of, acaricides for 6805
 - distribution of 6805
 - food-plants of 6805
 - in Brazil 6550
 - in India 2108, 2981
 - in USA 6805
 - on *Aphelandra*
 - damage caused by 6805
 - in USA 6805
 - on *Citrus*, in USA 6805
 - on rose, in India 2981

Brevipalpus phoenicis *contd.*

- on sesame
 - damage caused by 2981
 - in West Bengal 2981
- on tea
 - in Assam 2108
 - in India 2981
- preyed on by
 - Amblyseius* spp., in West Bengal 2981
 - thrips, in West Bengal 2981
- complex of
 - in Chile 2344
 - in Thailand 2344
- taxonomy of, revision of 2344

brevipennis, Muellerianella**brevipes, Dysmicoccus****brevipilosus, Eulachnus****brevirostris, Conorhynchus, (Temnorhinus)****brevis, Oberea****brevis, Platypus****breviuscula, Chaetocnema****Brewers' yeast**

- Cryptolestes* spp. in, development of 3096

diet component for

- Acrolepiopsis assectella* 1830
- Aegeria pictipes* 1845
- Anadevidia peponis* 1832
- Ceratitis capitata* 3231, 6568
- Chrysopa carnea* 4731
- Cydia pomonella* 3254
- Dacus oleae* 666, 3229
- Hydraecia micacea* 1238
- Hylemya brassicae* 4518
- Lepidoptera 1230
- Metasyrphus corollae* 1121
- Oryzaephilus mercator* 7119
- O. surinamensis* 7119
- Prionoxystus robiniae* 3500
- Semiadalia undecimnotata* 2570
- Sitophilus oryzae* 1757
- Spodoptera exigua* 5923
- S. litura* 1239
- Syrphidae 1121
- Tenebrio molitor* 2422

- in *Anthrenus flavipes* diet, effects on feeding of 4053

Brinjal (see Eggplant)**British Columbia**

- Acyrtosiphon pisum* in
 - natural enemies of 361
 - on lucerne 361
- apple in
 - pest control on 7543
 - pest management on 2871
- aquatic animals in, pesticide residues in 6981
- Coryphista meadii* in, natural enemies of 4599
- Cydia pomonella* in, on apple 1197, 2872, 2880, 4904, 6114, 7309
- C. prunivora* in 4309

British Columbia *contd.*

- Dendroctonus rufipennis* in, on *Picea* 3757, 6212
- dung beetles in, for improving pastures 4285
- Epitrimerus pyri* in, on pear 6101
- Eulecanium tiliae* in 6211
- natural enemies of 1289
- forest pests in 5673
- Forficula auricularia* in 3476, 5982, 7031, 7115
- Gnathotrichus sulcatus* in, in *Tsuga heterophylla* timber 5064
- grapevine in, arthropod pests of 6095
- Hylemya brassicae* in, on cauliflower 3327
- Lambdina fiscellaria* in 6843
- Marmara oregonensis* in
 - on *Abies* 2343
 - on *Pseudotsuga* 2343
- Melanolophia imitata* in, on *Tsuga* 6843
- Nepytia freemani* in 6843
- Palus beirnei* in, on grasses 1101
- Panonychus ulmi* in, on apple 6101, 7309
- Pemphigus spirothecae* in, on *Populus* 6213
- Phytocoris tiliae* in 7127
- Quadraspidiotus perniciosus* in
 - in stored apples 500
 - on apple 3859
 - on cherry 3859
- Rhagoletis fausta* in 4564
- R. indifferens* in 4564
- Rhyacionia buoliana* in, on *Pinus* 2154
- rivers in, pesticide residues in 6981
- Rosenus* spp. in, on grasses 1101
- Senecio jacobaeae* in
 - Longitarsus jacobaeae* for biological control of 2755
 - Tyria jacobaeae* for biological control of 2755, 3564

- vineyards in, arthropods in 6095

British Isles

- Bethyloidea in 5231
- Diptera in 4004
- Ichneumonidea in 5825
- Siphonaptera in 4004

Broad bean (see *Vicia faba*)**Broad bean stain virus**

- in
 - Acyrtosiphon pisum*, not transmitted 5723
 - Aphis fabae*, not transmitted 5723
 - Apion vorax*, transmission of 5723
 - Halticinae, transmission of 4295
 - lucerne 4295
 - Meligethes* spp., not transmitted 5723
 - Sitona lineatus*, transmission of 5723
 - Vicia faba*, in England 5723
- Broad bean vascular wilt virus**, in, lettuce, in New York 4925

- Broad bean wilt virus** (see Broad bean vascular wilt virus)
- Broccoli** (see Cauliflower and broccoli)
- Brome grass mosaic virus** (see Brome mosaic virus)
- Brome mosaic virus**
 hosts of 4453
 interactions of oils and 3114
 vectors of 4453
- bromeliae, Diaspis**
- Bromex** (see Naled)
- bromicola, Contarinia, (Stenodiplosis)**
- Bromide**
 in apples, residues of 1057
 in flour, residues of 450
 in foodstuffs, residues of 5140
- Bromine**
 in foodstuffs, origins of 2314
 in plant products, origins of 6272
- Bromophos** (*O*-(4-bromo-2,5-dichlorophenyl) *O*,*O*-dimethyl phosphorothioate)
 against
Acanthoscelides obtectus, in stored seeds 453
Agriotes spp. 2281
Cryptolestes ferrugineus, in stored wheat 5062
Delia brassicae, on cabbage 4933
Eurygaster integriceps, on wheat 7663
Hylemya brassicae, on brussels sprouts 2651
H. coarctata, on wheat 5490
H. platura, on *Phaseolus* 360
Liriomyza congesta, on *Vicia faba* 2926
Mamestra brassicae, on cabbage 7342
Melolontha melolontha 2281
Ophiomyia phaseoli
 on *Phaseolus vulgaris* 729
 on *Vicia faba* 1448
Oryzaephilus surinamensis 449
Ostrinia nubilalis, on maize 2795
Pegomya mixta, on beet 4963
 pests of stored products 6279, 6283
Phthorimaea operculella, on potato 3685
Plodia interpunctella 2166
Pristiphora abietina, on *Picea abies* 1525
Psila rosae, on carrot 2955, 2957
Rhyzopertha dominica 6858
Sitophilus granarius 449, 6858
S. oryzae 449
S. zeamais, in stored maize 1558
Thrips tabaci, on tobacco 5651
Tribolium castaneum 449
T. confusum 449, 6858
Zeiraphera diniana, on *Picea abies* 1525
 chemical properties of 6279
 in beet, toxicity of 4963
 in carrot, residues of 2957
- Bromophos contd.**
 in hay, residues of 7663
 in soil, residues of 2957
 in stored maize, residues of 1558
 in wheat, residues of 7663
 in wheat grain, degradation of 6285
 toxicological properties of 6279
 with thiram, against, *Tanymecus dilaticollis*, on maize 1350
- Bromophos-ethyl** (*O*-(4-bromo-2,5-dichlorophenyl) *O*,*O*-diethyl phosphorothioate)
 against
Hylemya spp., on cabbage 1615
H. brassicae, on brussels sprouts 2651
Pristiphora abietina, on *Picea abies* 1525
Zeiraphera diniana, on *Picea abies* 1525
 in *Anthocoris nemorum*, toxicity of 5436
- Bromopropylate** (1-methylethyl 4-bromo- α -(4-bromophenyl)- α -hydroxybenzeneacetate)
 against
Acarapis woodi 2701
Aphis pomi, on apple 1418
Brevipalpus obovatus 3725
Myzus persicae 1670
Panonychus ulmi 497
Tetranychus urticae 1670, 6602
 on *Calla* 985, 1027
 on *Capsicum* 985, 1027
 on hop 1337
 in *Phygadeuon trichops*, effects on fecundity of 5209
- Bromoxone** (see Phosphoric acid, 4-bromo-2,5-dichlorophenyl dimethyl ester)
- Bromus, Oria musculosa** on 270
- Bromus inermis**
Contarinia bromicola on, in Poland 1570
Delia extremitata on, in Alberta 7277
- Bromus pumpellianus, Delia extremitata** on, in Alberta 7277
- Bromus racemosus**, wheat streak mosaic virus in, mite transmission of 3804
- Bromus tectorum** (see *Anisantha*)
- Brontispa**, parasitised by, *Tetrastichus brontispae* 1389
- Brontispa longissima**
 control of 3976
 in Solomon Islands 3976
 on coconut, in Solomon Islands 3976
- brontispae, Tetrastichus bruchi, Neochetina bruchicida, Pediobius**
- Bruchidae**
 behaviour in, effects of light on 3782
 food-plants of, in Arizona 6652
 in Canary Islands 5236
 in Mongolia 4142
 in stored cowpeas, in Niger 6234
 parasites of, in Arizona 6652

Bruchidius atrolineatus

- control of 6231
- in Nigeria 6231
- in stored cowpeas, in Nigeria 6231
- on *Vigna unguiculata*, in Nigeria 6231

Bruchophagus*, on lucerne, resistance to 2835**Bruchophagus platypterus***

- control of, insecticides for 690
- in Chile 690
- on lucerne, in Chile 690
- on *Trifolium pratense*, in Chile 690

Bruchophagus roddi

- biology of 4294, 6082, 6084
- control of, insecticides for 4294, 6082, 6084
- development in 1378
- diapause in, relation of natural photoperiod to 6708
- in France 4294
- in Romania 2842
- in USSR 6082, 6084
- on lucerne 6708
- damage caused by 6082
- in France 4294
- in Moldavia 6084
- in Romania 2842
- in Ukraine 6082
- resistance to 1378

Bruchus brachialis*, parasitised by, *Dinarmus acutus* 3554**Bruchus chinensis* (see *Callosobruchus*)*****Bruchus dominicanus*, taxonomy of, synonym of *Mimosastes mimosae* 5236*****Bruchus mimosae*, taxonomy of, transferred to *Mimosastes* 5236*****Bruchus pisorum***

- behaviour in, effects of light on 3782
- biology of 3664
- control of 3219
- in India 3664
- on pea, in Punjab 3664

Bruchus rufimanus

- in Poland 6769
- on *Vicia faba*, in Poland 6769

brucki*, *Coccinella septempunctata***brumata*, *Operophtera******brunnea*, *Parandra******brunneipennis*, *Hypera******brunneonigrum*, *Apion******brunneri*, *Coeloides******brunneus*, *Aglenus******brunneus*, *Attagenus******brunnicornis*, *Herpestomus******brunniventris*, *Ardis*****Brussels sprouts (*Brassica oleracea* var. *gemmifera*)**

- acephate in, residues of 2657
- Adalia bipunctata* on, oviposition by 7201
- Aphidoletes aphidimyza* on, oviposition by 4110

Brussels sprouts contd.

arthropod pests of, in UK 545

***Brevicoryne brassicae* on**

- development of 6766
- in England 7582
- in UK 2043

***Bryobia praetiosa* complex on**

- damage caused by 5599
- in Scotland 5599

***Contarinia nasturtii* on**

- damage caused by 2662
- in Belgium 2662

Delia brassicae* on, in England 7582**Evergestis forficalis* on**

- in England 5597
- resistance to 5597

Hylemya brassicae* on, in Belgium 2651**Mamestra brassicae* on**

- in England 5597
- in Netherlands 3960
- resistance to 5597

methamidophos in, residues of 2657***Myzus persicae* on 2920**

development of 5358, 6766

pest control on 2042

in UK 3272

in Wisconsin 349

pests of, in North Carolina 2915***Pieris brassicae* on, in Netherlands 3960*****P. rapae* on**

in England 5597, 7582

in Nova Scotia 350

resistance to 5597

turnip mosaic virus in, not infective 5725***Bryobia*****on apple, in New South Wales 4310**preyed on by, *Phytoseius fotheringhamiae*, in New South Wales 4310***Bryobia praetiosa***

control of, acaricides for 7318

in Austria 931

in India 7318

on pear, in Punjab 7318

preying on, *Cinara piceae*, in Austria 931**complex of**

on brussels sprouts

damage caused by 5599

in Scotland 5599

Bryobia redikorzevi* (see *B. rubrioculus*)**Bryobia rubrioculus***

biology of 320

control of, acaricides for 320, 847

food-plants of 6102

in Australia 2869

in Bulgaria 320

in Romania 847

in USSR 6102

on apple

effects of insecticides on 2869

in Australia 2869

in Romania 847

Bryobia rubrioculus *contd.*

preyed on by, *Campylomma livida*, in
Australia 2869

Bryobiinae, biology of 2326

bryoniae, *Liriomyza*

BTS-27419 (see Amitraz)

bubalus, *Ceresa*

(*Stictocephala*)

bubo, *Alcidodes*, (*Alcides*)

Bucculatrix pyrivorella

in Japan 4317

on pear, in Chiba Prefecture 4317

overwintering in 4317

Bucculatrix thurberiella

control of, insecticides for 896, 2988

in Mexico 896, 2988, 3699

on cotton, in Mexico 896, 2988, 3699

seasonal abundance of 3699

bucephala, *Phalera*

buchneri, *Crematogaster*

Buchneria pectinatae (see *Cinara*)

Buckwheat (*Fagopyrum esculentum*)

Apion antiquum on, feeding by 4241

Gastrophysa atrocyanea on 2753

Buddleja asiatica, *Aphis verbasci* on, in

Egypt 178

Buffalo, *Asian* (*Bubalus bubalis*)

aldrin in, neurotoxicity of 2306

BHC in, neurotoxicity of 2306

Buildings

fumigation of, precautions in 5176

mites in, in UK 7594

Bulbitermes

in Bangladesh 4593

taxonomy of 1920, 4593

Bulbs, fumigation of, standards for 6926

Bulgaria

Acanthoscelides obtectus in, in stored

seeds 453

Acyrtosiphon pisum in

natural enemies of 2262

on lucerne 2262

on pea 2262

Aelia spp. in, on wheat 1940–1941, 5494

Agriotes spp. in 152

Agrotis spp. in 152

A. ipsilon in 2077

A. segetum in 511

Anthonomus amygdali in

on almond 1382

on peach 1382

aphids in

natural enemies of 1939

on strawberry 1390

on wheat 1939

Aphis nasturtii in

natural enemies of 383

on *Capsicum* 383

A. pomi in, on apple 1417

apple in, pest control on 7539

Archips crataeganus in 1169

Bulgaria *contd.*

Bothynoderes punctiventris in, on beet
7365

Bradybatas creutzeri in, on herbaceous
plants 5015

Brevipalpus lewisi in, on grapevine 1998

B. obovatus in, on ornamental plants

3725

Bryobia rubrioculus in 320

Cassida nebulosa in, on sugar-cane 7368

C. nobilis in, on sugar-cane 7368

Cecidophyopsis ribis in, on black currant
1395

Chaetosiphon fragaefolii in, on strawberry
1994

Chrysomelidae in 4611

Cnephasia pasiuana in, on grain crops
271

Cossus cossus in 420

Cydia funebrana in 5357

on plum 5550, 7539

C. molesta in

on peach 2022, 2887

on quince 2022

C. pomonella in

natural enemies of 7196

on apple 538, 1417, 3622, 3624–3625,
5550, 7539

on fruit trees 2864, 3873

Eriophyes amygdali in, on almond 7296

Eupoecilia ambiguella in, on grapevine
1999

Euproctis chrysorrhoea in 5762

E. similis in, natural enemies of 3545

Eurygaster spp. in, on wheat 1940–1941,
5494

E. integriceps in 2498

on wheat 4065

Euxoa temera in 152

Formica spp. in 755

F. lugubris in 756

F. rufa group in 2160

F. rufa in 756

greenhouse crops in, pests of 3510

Haplodiplosis marginata in, on wheat
1942

Haplothrips tritici in, on wheat 7237

Heliothis armigera in 2077

natural enemies of 1275

H. peltigera in, on mint 224

Heteroptera in 5374

Hyлемyа brassicae in, on cabbage 351,
1444

Hyphantria cunea in 5762

Isophya tenuicera in, on lavender 224

Lacanobia oleracea in

natural enemies of 2948

on sugar-beet 2948

leafrollers in, on fruit trees 2864, 3873

Lepidoptera in 2623

natural enemies of 5736

Bulgaria contd.

Lepidosaphes populi in, natural enemies of 7208

L. ulmi in, natural enemies of 7208

Leptinotarsa decemlineata in, on potato 2273

Leucoptera scitella in, natural enemies of 5559

Lobesia botrana in, on grapevine 314–315, 1998

Loxostege sticticalis in 7109

lucerne in, pests of 1986

Lymantria dispar in 3813

natural enemies of 7524

Macdunnoughia confusa in 4246

Macrosiphum rosae in
natural enemies of 1499, 1504

on rose 1499, 1504

Malacosoma neustria in 5762

Mamestra brassicae in

natural enemies of 2242, 7189

on cabbage 2046

on sugar-beet 4960

Monochamus spp. in, in imported timber 2178

Myzus persicae in
natural enemies of 181, 383

on *Capsicum* 383

on tobacco 181, 397

Oria musculosa in 270

Oscinella frit in 7230

Ostrinia nubilalis in 5762

on maize 5504–5505

Oulema melanopus in

on grain crops 272

on wheat 1941

Ovatus crataegarius in, on mint 224

Panonychus ulmi in 320, 497

on apple 1417, 5550

on grapevine 7292

pear in, pest control on 6733

Pentatomidae in, on grain crops 1347

Peridroma saucia in 511, 5762

Phyllonorycter blancardella in, natural enemies of 5559

P. corylifoliella in, natural enemies of 5559

Phytobia incisa in

natural enemies of 279

on grasses 279

on maize 279

Phytomyza heringiana in, on apple 1414

Plodia interpunctella in, in stored seeds 2166

Pristiphora abbreviata in, on pear 1414

Psallidium maxillosum in, on beet 7365

Quadraspidiotus spp. in, natural enemies of 7208

Q. perniciosus in 7305, 7529

Rhagium inquisitor in, in imported timber 2178

Rhagoletis cerasi in 73

Bulgaria contd.

Rhagoletis cerasi in *contd.*

on cherry 1842

Sphenoptera jugoslavica in, on *Centaurea diffusa* 6029

Stigmella malella in

natural enemies of 5559

on apple 1417

Tetranychus turkestanii in 2252

on cucumber 1638, 3655

T. urticae in 2252

on cucumber 1638

Theresimima ampelophaga in, on grapevine 2000

Thrips spp. in, on cotton 3700

T. tabaci in 5650

natural enemies of 181, 2101

on tobacco 181, 2100–2101

Thysanoptera in

on medicinal plants 1333

on ornamental plants 3027

Tipulidae in 4713

Trialeurodes vaporariorum in, on tomato 6919

Udea ferrugalis in, on glasshouse crops 5591

bulgariensis, *Rhodococcus*

Bulgur (see Wheat meal)

bullata, *Sarcophaga*

bullita, *Cochlochila*

buoliana, *Rhyacionia*, (*Evetria*)

Bupalus piniarius

control of, insecticides for 5014

diapause in, role of hormones in 2437

in West Germany 5014

metamorphosis in, role of hormones in 2437

polymorphism in, role of hormones in 2437

Buprestidae

flight activity in 3057

in Mongolia 4142

on *Acacia*, in South Africa 5220

on *Araucaria cunninghamii*, in Papua New Guinea 3057

on *Quercus*, in Mississippi 7410

on trees, in Iraq 4397

parasites of 2493

traps for 3057

burdigalensis, *Tartarogryllus*

Burdock, edible (see *Arctium lappa*)

Burma

Dorylus orientalis in 6610

Eccoptyterus spinosus in, on rice 4272

Ichneumoninae in 1821

Tetranychidae in 5371

burnerae, *Paracoccus*

Bursaphelenchus lignicolus

control of, nematocides for 5795

in

Monochamus alternatus

in Japan 1073

- Bursaphelenchus lignicolus** *contd.*
in *contd.*
Monochainus alternatus *contd.*
transmission of 1073
Pinus, in Japan 1073
- bursarius, Pemphigus**
Bursicon 4068
- Bushes**, aphids on, in Hungary 4003
- bushnelli, Rhyacionia**
- Busseola fusca**
control of
crop management for 5958
insecticides for 5507, 5958
in South Africa 5507, 5958
on maize, in South Africa 5507, 5958
- Busulfan** (1,4-butanediyl dimethanesulfonate)
adopted as common name in *RAE*, p. 4
in *Anthonomus grandis*
determining testicular damage by 119
effects on sex pheromone production of 4686
sterilant for, *Anthonomus grandis* 658, 1795, 4362
with hempa, sterilant for, *Anthonomus grandis* 617
- 1,3-Butadiene, 1,1,2,3,4,4-hexachloro-**,
against, *Viteus vitifoliae*, on grapevine 313, 2594
- Butanedioic acid**, [(dimethoxyphosphinothioyl)thio]-, diethyl ester (*see* Malathion)
- Butanedioic acid, 2-[(dimethoxyphosphinothioyl)thio]-**
1-ethyl ester, synthesis and identification of 5214
4-ethyl ester, synthesis and identification of 5214
- Butanedioic acid**, [(dimethoxyphosphinyl)thio]-, diethyl ester (*see* Malaoxon)
- 1,4-Butanediol**, dimethanesulfonate (*see* Busulfan)
- Butanoic acid**
Bombyx mori responses to 5282
heptyl ester, attractant for, *Vespa* spp. 2567
hexyl ester, attractant for, *Neophyllomyza* spp. 1071
octyl ester, attractant for, *Siphonella* spp. 1071
2-phenylethyl ester, attractant component for, *Popillia japonica* 3927
2,2,2-trichloro-1-(dimethoxyphosphinyl)ethyl ester (*see* Butonate)
- Butanoic acid, 2-amino-**
in *Dysdercus cingulatus* hemolymph 1782
Phthorimaea operculella feeding responses to 3683
- Butanoic acid, 4-amino-**
in *Acheta domesticus*, effects on metathoracic ganglia of 6612
in *Papilio demoleus* 5890
- Butanoic acid, 4-amino-** *contd.*
Leptinotarsa decemlineata feeding response to 1184
- Butanoic acid, 4-(2,4-dichlorophenoxy)-** (*see* 2,4-DB)
- Butanoic acid, 4-(methylthio)-2-oxo-**
in *Argyrotaenia velutinana*, nonutilisation of 1756
in *Heliothis zea*, nonutilisation of 1756
in *Phormia regina*, nutritional value of 1756
- 2-Butanone, 4-[4-(acetyloxy)phenyl]-** (*see* Cue-lure)
- 2-Butanone, 3,3-dimethyl-1-(methylsulfinyl)-O-[(methylamino)carbonyl]oxime**
in *Anthonomus grandis*, toxicity of 535
in *Chrysopa carnea*, toxicity of 535
in cotton, thiofanox metabolite 535, 5169
in *Heliothis virescens*, toxicity of 535
in *Hippodamia convergens*, toxicity of 535
in plants, determination of 4582
in soil
determination of 4582
thiofanox metabolite 535
in water, determination of 4582
- 2-Butanone, 3,3-dimethyl-1-(methylsulfonyl)-O-[(methylamino)carbonyl]oxime**
anticholinesterase activity of 535
in *Anthonomus grandis*, toxicity of 535
in *Chrysopa carnea*, toxicity of 535
in cotton, thiofanox metabolite 535, 5169
in *Heliothis virescens*, toxicity of 535
in *Hippodamia convergens*, toxicity of 535
in plants, determination of 4582
in soil
determination of 4582
thiofanox metabolite 535
in water, determination of 4582
- 2-Butanone, 3,3-dimethyl-1-(methylthio)-O-[(methylamino)carbonyl]oxime**
against
Anthonomus grandis 535
Heliothis virescens 535
Aphis fabae, on sugar-beet 3958, 7599
Frankliniella spp., on cotton 3958
Leptinotarsa decemlineata, on potato 3958
- Myzus persicae**
on potato 3958
on sugar-beet 3958, 7599
Pegomya betae, on sugar-beet 3958
Saissetia coffeae, on *Aphelandra squarrosa* 3729, 6802
thrips, on cotton 4374
in *Chrysopa carnea*, toxicity of 535

2-Butanone, 3,3-dimethyl-1-(methylthio)-
contd.

- O*[(methylamino)carbonyl]oxime *contd.*
 in cotton, metabolism of 535, 5169
 in cottonseed, residues of 5169
 in *Hippodamia convergens*, toxicity of 535
 in plants, determination of 4582
 in *Saissetia coffeae*, effects on parasites of 3729
 in soil
 determination of 4582
 metabolism of 535
 in water, determination of 4582

2-Butanone, 3-hydroxy-3-methyl-
attractant for

- Trypodendron domesticum* 2318
T. lineatum 2318

2-Butanone, 4-(4-hydroxyphenyl)-
attractant for

- Calantra* spp. 3344
Dacus spp. 3344
 with cue-lure
 attractant for

- Calantra* spp. 3344
Dacus spp. 3344

2-Butanone, 3-(methylthio)-, *O*
[(methylamino)carbonyl]oxime (see
Butocarboxim)**Butene**, homopolymer, with seaweed extract,
against, *Tetranychus urticae* 1004**2-Butenoic acid, (*E*)-**, in sugar-cane, effects
on *Melanaphis indosacchari* reproduction
of 2380**2-Butenoic acid, 2,3-dichloro-4-[(4-**
nitrophenyl)hydrazono]-, sterilant for,
Callosobruchus chinensis 3436**2-Butenoic acid, 3-[(dimethoxyphosphinyl)-**
oxy]-, methyl ester (see Mevinphos)**2-Butenoic acid, 3-[[4-(3,3-**
dimethyloxiranyl)-2-
methylbutoxy]methyl]-, 1-methylethyl
ester, in insects, inhibiting
metamorphosis 6938**2-Butenoic acid, 3-[[[ethylamino)methoxyph-**
osphinothioyl]oxy]-, 1-methylethyl ester,
(*E*)-, against, *Lachnosterna nilgiri*, on
coffee 2105**2-Butenoic acid, 3-methyl-, 2-(1-**
methylpropyl)-4,6-dinitrophenyl ester
(see Binapacryl)**2-Butenoic acid, 3-methyl-4-[4-**
(phenylmethyl)phenoxy]-
ethyl ester
against

- Acyrtosiphon dirhodum*, on wheat 3892
Lymantria dispar 5789
Pieris brassicae 5789
Plutella xylostella 5789
Rhopalosiphum padi, on wheat 3892

2-Butenoic acid, 3-methyl-4-[4-
(phenylmethyl)phenoxy]- *contd.*
ethyl ester *contd.*

- in *Apis mellifera*, effects of 6977
 in *Coccinella septempunctata*, effects of 3892
 in *Coccinella undecimpunctata*, effects of 3892
 in Hymenoptera, effects of 5789

Buteo buteo, eggs of, organochlorine
residues in 1047***butleri*, *Ceramidia*** (see *Antichloris caca*)**Butocarboxim** (3-(methylthio)-2-butanone
O[(methylamino)carbonyl]oxime)
biological activity of 2659**Butonate** (2,2,2-trichloro-1-
(dimethoxyphosphinyl)ethyl butanoate)
against

- Cydia nigricana* 1676
 on pea 362

Butopyronoxyl (butyl 3,4-dihydro-2,2-
dimethyl-4-oxo-2-*H*-pyran-6-carboxylate)
adopted as common name in *RAE*, p. 4**Butylate** (*S*-ethyl bis(2-
methylpropyl)carbamothioate)
with atrazine, and fonofos, in farm yards,
effects on orthopteroids of 7168**Bux** (see Metalkamate)***buxi*, *Eriococcus******buxi*, *Pinnaspis******Buxus*, *Eriococcus buxi*** on, in Caucasus
6808***Buzura suppressaria***

- in India 2108, 3022
 on tea

- in Assam 2108

- in India 3022

Buzzard, common (see *Buteo buteo*)***Byctiscus betulae***

- biology of 6724
 control of, insecticides for 6724
 in USSR 313, 6724
 on apple

- damage caused by 6724
 in Caucasus 6724

- on grape vine, in Azerbaijan 313
 on *Populus*

- damage caused by 6724
 in Caucasus 6724

Byctothrips ayyari

- alary polymorphism in 7044
 in India 7044
 on *Memecylon lushingtoni*, in Karnataka 7044

Byturus tomentosus

- biology of 1996
 control of, insecticides for 1996
 in UK 1996
 on raspberry, in UK 1996

Byturus tomentosus* auct.** (see *B. urbanus*)Byturus urbanus***

- biology of 5545

***Byturus urbanus* contd.**

- control of, insecticides for 5545
- in Norway 5545
- in Poland 1394
- on raspberry
 - damage caused by 1394
 - in Norway 5545
 - in Poland 1394

c-nigrum*, *Xestia*, (*Amathes*)*C-1414** (see *Monocrotophos*)**C-8353** (see *Dioxacarb*)**C-8514** (see *Chlordimeform*)**C-9140** (see *Thiourea*, *N*-(4-chloro-2-methylphenyl)-*N,N*-dimethyl-)**C-9491** (see *Iodofenphos*)**C-10015** (see *Phenol*, 2-(4,5-dimethyl-1,3-dioxolan-2-yl)-, methylcarbamate)**C-13963** (see *Carbamic acid*, dimethyl-, 2-(1,3-dithiolan-2-yl)phenyl ester)**C-18244** (see *Phosphonothioic acid*, ethyl-, *O*-(2,5-dichloro-4-iodophenyl) *O*-ethyl ester)**CA-6900** (see *Chlorthiophos*)**Cab-O-Sil** (see *Silica gel*)**Cabbage** (*Brassica oleracea* var. *capitata*)

acephate in, residues of 2657

Agrotis ipsilon on
development of 4553
in Indonesia 728

Aiolopus thalassinus on, development of 5418

Anadevidia peponis on, feeding by 6150

aphids on, in Poland 2919

arthropod pests of, in UK 545

Bagrada hilaris on, in Delhi 7339

Brevicoryne brassicae on
in Chile 4329
in Czechoslovakia 4921
in Delhi 7339
in Moldavia 6355
in Poland 2950
in UK 2043

carbamates in, determination of 1825

chlorfenvinphos in, residues of 351, 1444

Crociodomia binotalis on, in Indonesia 730

Delia brassicae on

in New York 4557
in Northern Ireland 4333
in Poland 4933, 7652
in Russian Republic 6765

D. floralis on, in Russian Republic 6765
diet component for, *Acrolepiopsis*
assectella 1830

dimethoate in, residues of 7339

Diptera on, in Poland 1443

Euproctis fraterna on, feeding preferences of 4653

Eurydema rugosum on

damage caused by 1442
effects on amino acids of 6142
formothion in, residues of 528

Cabbage contd.

Hellula undalis on, in Rajasthan 857

Hylemya brassicae on 1680, 3409

in Bulgaria 351, 1444

in England 3947

in Poland 2918, 4782

insect pests of

in Moldavia 7340

in Quebec 5473, 5475-5476

Lachnosterna consanguinea on, in
Rajasthan 999

Lepidoptera on, in Czechoslovakia 4921

leptophos in, residues of 1658

Lipaphis erysimi on

in Delhi 7339

in Rajasthan 857

Mamestra brassicae on
development of 67, 6531

in Bulgaria 2046

in Hungary 6148

in Norway 7342

in Poland 2919

in Russian Republic 7341

in Ukraine 7343

in USSR 3856

methamidophos in, residues of 2657

methyl-parathion in, residues of 2047

mites on, in Czechoslovakia 4921

Myzus persicae on 2282

in Czechoslovakia 4921

Nezara viridula on, in Egypt 851

Noctuidae on, in USSR 6620

parathion in, residues of 2047

pest control on 1608, 1615, 2042

biological 6621

in Poland 6757

in UK 3272

in Wisconsin 349

integrated 7340

pests of

in North Carolina 2915

in Poland 6761

in Rajasthan 4932

phorate in, residues of 5817

Pieris spp. on

in Poland 2919

oviposition by 7338

P. brassicae on 1781

development of 2196

in Russian Republic 6765

in Ukraine 7343

P. rapae on 1240, 1781

in New South Wales 6965

in New York 3654

in New Zealand 3649

in Nova Scotia 350

in South Carolina 1441

resistance to 3654

Plutella xylostella on

in Antilles 3853

in Brazil 1440

in Chile 4329

Cabbage contd.

- Plutella xylostella* on contd.
 in India 7609
 in Indonesia 730
 in New Zealand 3650
 in Rajasthan 857
 in Russian Republic 6765, 7341
 in South Carolina 1441
 in Taiwan 2917
 in Ukraine 7343
 in USA 7609
Spodoptera littoralis on, development of 3439, 5254
Syngrapha circumflexa on, in Egypt 4182
 trichlorphon in, residues of 6765
Trichoplusia ni on
 in Florida 4045
 in New York 3654
 in Ontario 463
 in Rajasthan 857
 in South Carolina 1441
 resistance to 3654
 turnip mosaic virus in, not infective 5725
 virus in, in Yugoslavia 4930
Cabbage black ring spot virus 4930, 5725
Cabbage, Chinese (*Brassica chinensis* and *B. pekinensis*)
Agrotis ipsilon on 632
 carbaryl in, residues of 4331
 diazinon in, residues of 4331
 insecticides in, pollen sterility caused by 7337
 malathion in, residues of 4331
Mamestra brassicae on 632
Myzus persicae on, rearing of 664, 2968, 5465
 pests of, in North Carolina 2915
Spodoptera litura on 632
Taeniothrips spp. on, in Himachal Pradesh 4715
Thrips flavus on, in Himachal Pradesh 4715
T. hawaiiensis on, in Himachal Pradesh 4715
 turnip mosaic virus in, aphid transmission of 5725
Cabbage fields
Metasyrphus luniger in, in Czechoslovakia 7105
Platycheirus spp. in, in Czechoslovakia 7105
Sphaerophoria spp. in, in Czechoslovakia 7105
Syrphus spp. in, in Czechoslovakia 7105
Cabbage-leaf powder
 diet component for, *Pieris rapae* 1240
 diet component for, *Mamestra brassicae* 6573
caca, Antichloris
Cacao (*Theobroma cacao*)
Acrocercops spp. on, in Sabah 5837

Cacao contd.

- Acromyrmex octospinosus* on, in Trinidad 173
Afrocidens spp. on
 damage caused by 1494
 in Cameroon 1494
Antiteuchus tripterus on, in Colombia 4111
 ants on
 in Ghana 1490
 in Papua New Guinea 1490
Bocchoropsis pharaxalis on, in Colombia 5652
Botrydiploidia theobromae in, in Malaya 4382
 cacao swollen shoot virus in 4384
 resistance to 944
 symptoms of 944
Ceratopogonidae on
 as pollinator 402
 in Ghana 402
 Coleoptera on, in Ghana 2104
Crematogaster buchneri on
 damage caused by 2103
 in Nigeria 2103
C. clariventris on
 damage caused by 2103
 in Nigeria 2103
Distantiella theobroma on, in Ghana 6197
Earias biplaga on, in Ivory Coast 1237, 3721
Eriophyes reyesi on
 damaged caused by 4385
 in Venezuela 399, 4385
Floracarus theobromae on 2325
 damage caused by 4385
 in Venezuela 4385
 flushing in, influence on insects of 2104
Forcipomyia spp. on
 as pollinator 1493, 2102, 4383
 in Brazil 1493, 2102, 4383
F. fuliginosa on, as pollinator 5463
Frankliniella parvula on, in Mexico 902
 fungi in 4384
Harmonides dispar on, in Colombia 5652
Heilipus unifasciatus on, in Colombia 5652
Helopeltis clavifer on, rearing of 1495
H. corbisieri on, in Cameroon 7400
H. gerini on, in Cameroon 7400
H. theivora on, in Malaya 4381–4382
 Homoptera on
 in Ghana 2104
 in Nigeria 3015
 insects on, population dynamics of 6197
Ischioloncha lineata on, in Colombia 5652
 Lepidoptera on, in Ghana 2104
Leucoptera coffeina on, in Tanzania 6197

Cacao contd.*Leucoptera contd.**L. meyricki* on, in Tanzania 6197*Leucothrips theobromae* on

in Mexico 902, 3357

in Surinam 902

Lymantria obfuscata on, in Karnataka
3719-3720*Mesohomotoma tessmanni* on

damage caused by 1494

in Cameroon 1494

resistance to 7400

Miridae on, in Ghana 1490

Monalonion annulipes on

development of 401

in Costa Rica 401, 3012

relation to die-back of 3012

M. dissimulatum on, in Colombia 5652*Neostauropus alternus* on, in India 4917*Oecophylla longinoda* on, in Ghana 3014*Pantorhytes biplagiatus* on, in Solomon

Islands 904

P. szentivanyi on, in Papua New Guinea

1490, 4986

Parallelodiplosis spp. on

as pollinator 1489

in Ghana 1489

Pericallia ricini on 3929

pest control on, manipulation of ant

mosaic for 7402-7403

pests of 4384

in Papua New Guinea 3013

in West Africa 1492

Phytophthora palmivora in, in Ghana

400

Sahlbergella singularis on, in Ghana

6197

Salina celebensis on, in Papua New

Guinea 903

Selenothrips rubrocinctus on

in Brazil 1491

in Mexico 902

Sericothrips inversus on, in Mexico 902,
3357

Tettigoniidae on, in Ghana 2104

Xyleborus ferrugineus on 5692*Zeuzera coffeae* on

damage caused by 3718

in Karnataka 3718

Cacao black pod disease (see also*Phytophthora palmivora*)**Cacao engurrñadera**, caused by Eriophyids
4385**Cacao plantations***Anoplolepis longipes* in, in Papua New

Guinea 1270

ants and Homoptera in 3015

ants in, in Ghana 7401-7403

Dorylus gerstaeckeri in, in Ghana 3014*D. nigricans* in, in Ghana 3014*Odontomachus similimus* in, in Papua

New Guinea 1270

Cacao plantations contd.

Reduviidae in, in Ghana 1734

Technomyrmex albipes in, in Papua New
Guinea 1270**Cacao (stored beans)**

bromomethane in, residues of 5780

Mussidia nigrivenella in, imported into
USSR 6868*Paralipsa gularis* in, in East Germany
2174

pest control in 6226

Cacao swollen shoot virus

in

cacao 4384

resistance to 944

symptoms of 944

Planococcoides njalensis, transmission
of 944, 3015

vectors of 4384

cacicus, *Eacles magnifica***Cacodylic acid** (see Arsinic acid, dimethyl-)**cacoeciae, *Trichogramma******Cacoecimorpha pronubana***

control of

Bacillus thuringiensis for 3938

γ-irradiation for 5125

in Italy 5125

in UK 3938

on carnation

imported into Austria 6588

in Italy 5125

on chrysanthemum, in England 3938

Cacti*Dactylopius confusus* on, in Arizona 555*D. tomentosus* on

in Arizona 555

in Mexico 555

in Texas 555

Cactoblastis cactorum

biology of 5112

on *Opuntia*

and biological control using

in Australia 5112

in Mauritius 5112

in South Africa 5112

in South America 5112

cactorum, *Cactoblastis****cacuminatus, Dacus******Cadra* (see *Ephestia*)*****Cadra cautella* (see *Ephestia*)*****Cadurcia lucens***

in Nigeria 2980

parasitising, *Antigastra catalaunalis*, in
Nigeria 2980***caerulescens, Oedipoda******caesar, Aplomya******caespitum, Tetramorium******caffeina, Leucoptera*****Caffeine** (see 1-H-Purine-2,6-dione, 3,7-
dihydro-1,3,7-trimethyl-)***cagnagellus, Yponomeuta******caja, Arctia***

Cajanus cajan

Acanthomia tomentosicollis on, in Nigeria 6615

Alcidodes collaris on, in Karnataka 7347

Aphis craccivora on, feeding by 503

Catochrysops strabo on, in Maharashtra 2061, 4955

Ceutorhynchus asperulus on, in Karnataka 3676

Empoasca kerri on, in India 6770
endosulfan in, residues of 6975-6976

Etiella zinckenella on, in Puerto Rico 2943

Exelastis atomosa on
in India 6770
in Maharashtra 4955

Heliothis armigera on
damage caused by 7360
in Himachal Pradesh 7360
in India 6770
in Maharashtra 4955
in Tamil Nadu 6164

H. virescens on
in Antilles 3853
in Puerto Rico 2943
in Virgin Islands 2942

Madurasia obscurella on, in India 6770

Maruca testulalis on, in Tamil Nadu 6164

Melanagromyza obtusa on
in India 2060
in Tamil Nadu 6164

Neostauropus alternus on, in India 4917

Ophiomyia phaseoli on, in India 6770

Otinotus oneratus on, in Tamil Nadu 1847

phorate in, residues of 6975

Cajanus cajan (stored seeds)

Callosobruchus maculatus in, oviposition by 3781
insects associated with, in Maharashtra 1549

Cajanus indicus (see C. cajan)**Calacarus carinatus**

descriptions of 4187

in Sri Lanka 1498

in Taiwan 4187

on tea

in Sri Lanka 1498

in Taiwan 4187

Calacarus citrifolii

control of, acaricides for 5945

in South Africa 5945

on *Citrus*, in South Africa 5945

Calamagrostis epigeios, Eriopeltis lichtensteinii on 6994**Calamagrostis purpurea, Eriopeltis sachalinensis** on 6994**Calameuta filiformis**

biology of 5234

in Finland 5234

in USSR 5234

Calameuta filum

in Finland 5234

in USSR 5234

Calameuta pallipes

in Finland 5234

in USSR 5234

calamistis, Sesamia**calamogonus, Megacraspedus****Calamondin (see Citrus mitis)****Calandra granaria (see Sitophilus granarius)****Calandra oryzae (see Sitophilus)****calandrae, Anisopteromalus****Calantra, traps for 3344****Calathus fuscipes**

in UK 4772

in grain fields, in England 4772

preying on, aphids, in England 4772

calcaratum, Stenodema**calcaratus, Dinotiscus (see D. colon)****calcaratus, Syagrus****calceolariae, Pseudococcus****Calcium**

in *Alternanthera philoxeroides*, effects on *Agasicles hygrophila* of 3446

in cardamom, effects of mosaic virus infection on 145

in grassland soil, effects on Oribatidae of 1976

in insect diets, effects on toxicity of sodium fluoride of 1031

in lucerne, effects of *Hypera brunneipennis* on 302

in okra

effects of yellow-vein mosaic virus infection on 1439

effects on insect susceptibility of 2037

in *Solenopsis invicta* 2697

in *Solenopsis invicta* queens 5311

in *Spodoptera litura*, effects of viral infection on 3152

ion (Ca²⁺)

in *Achaea janata* hemolymph, effects of *Bacillus thuringiensis* on 6342

in apple, effects of clean cultivation on 6111

in pea, effects on fonofos uptake of 5776

Calco Oil Red, marker for, Heliothis zea 2564**Calepitrimerus asiminae**

sp. n., description of 3985

in USA 3985

on *Asimina triloba*, in Ohio 3985

Calepitrimerus vitis, taxonomy of, misidentified as Phyllocoptes vitis 2326**Cales noacki**

in Morocco 6124

life-cycle of 4915

parasitising

Aleurothrixus floccosus

and biological control using
in France 5099, 6128

***Cales noacki* contd.**

parasitising contd.

Aleurothrix floccosus contd.

and biological control using contd.

in Spain 4915

in Morocco 6124

calicoryli, Diptacus***calidella, Ephestia******calidum, Calosoma*****California***Acyrtosiphon pisum* in 3860

natural enemies of 5528

on lucerne 4293

Ambrosia acanthicarpa in, insects

associated with 811

A. chamissonis in, insects associated with 812*A. confertiflora* in, natural enemies of 1329*A. dumosa* in, natural enemies of 7213*Amyelois transitella* in

in stored almonds 5716

on almond 6098

on walnut 4304

Anarsia lineatella in 2416

on almond 2863

on peach 2863

Aonidiella aurantii in, on *Citrus* 4914*Aphis citricola* in, on *Pyracantha* 2110*A. gossypii* in, on *Pyracantha* 2110*Argyrotaenia citrana* in, on grapevine 4639

biological control in 2750

Brevipalpus phoenicis in 6805*Carpophilus mutilatus* in, on stone fruits 5554*Ceratitis capitata* in 4146–4149on *Citrus* 4143–4144

on peach 4145

Chromaphis juglandicola inon *Juglans regia* 3177

on walnut 1413

Chrysopa spp. in 1309*Citrus* in, pest control on 337*Clavaspis disclusa* in, on walnut 318*Coccinella septempunctata* in, introductions of 4714*Coccus pseudomagnoliarum* in 4328*Colias eurytheme* in, natural enemies of 472*Conophthorus monophyllae* in

natural enemies of 194

on *Pinus* 194*Contarinia sorghicola* in

on sorghum 2820, 5518

on *Sorghum halepense* 5518

cotton fields in, arthropods in 2576

Cydia molesta in, on stone fruits 5554*C. pomonella* in

natural enemies of 5843

on apple 3610

on plum 3610

California contd.*Cydia pomonella* in contd.

on walnut 3610

Dacus dorsalis in 219–221, 3609, 4508

eradication of 7211

on fruit trees 2667

Dalbulus maidis in, on maize 4261*Dendroctonus brevicornis* in 5023

Dermaptera in 4138

Empoasca spp. in, on cotton 889*Epitrimerus pyri* in, on pear 1424*Euarestoides acutangulus* in, on *Ambrosia chamissonis* 6659*Eurytoma compressa* in, on *Rhus trilobata* 1076*Euschistus conspersus* in, on lucerne 6085*Geocoris* spp. in, in lucerne fields 4291*Haptonchus luteolus* in, on stone fruits 5554*Heliothis* spp. in, on cotton 3712*H. zea* in, on cotton 898*Helix aspersa* in, *Staphylinus olens* for biological control of 4784*Homoeosoma electellum* in, on sunflower 384, 2986

honey bees in 761

Hordnia circellata in, on grapevine 3617, 7481*Hydrellia griseola* in, natural enemies of 4794*Hypera brunneipennis* in 22, 3604, 3860, 5867

natural enemies of 4483

on lucerne 302, 306, 2574, 2840, 4293, 6706

H. postica in, on lucerne 306*Inopus rubriceps* in 1182*Ipochnus fasciatus* in, on *Silybum marianum* 2741*Ips* spp. in 4635, 4638*I. paraconfusus* in, on *Pinus* 4406*Keiferia lycopersicella* in, on tomato 1905Lepidoptera in, on *Quercus* 2135

lucerne fields in, predacious spiders in 304

Lygus spp. in

on cotton 1175

on lucerne 1175, 4291

L. hesperus in

on cotton 889

on *Phaseolus lunatus* 1452*Metaseiulus occidentalis* in, in vineyards 88, 627*Mythimna unipuncta* in, natural enemies of 472*Myzus persicae* in 4078*Nabis* spp. in, in lucerne fields 4291*Neotalitrus tenellus* in, on orange 945*Orius tristicolor* in, in lucerne fields 4291

California contd.

- Panaphis juglandis* in, on walnut 1413
Panonychus citri in, on *Citrus* 955
Pardosa ramulosa in, in lucerne fields 1293
Pectinophora gossypiella in, on cotton 3712
Phthorimaea operculella in 2973
 on potato 1905, 2074
Pinus lambertiana in, insects associated with 918
Platynota stultana in 3490, 4637
 natural enemies of 5438
Plodia interpunctella in 3086
 in stored almonds 5716
Plusia californica in, natural enemies of 472
 Plusiinae in 3374
Polycyon stouti in
 in forests 2176
 in furniture 2176
Psylla uncatoides in
 on *Acacia* 21
 on *Albizia* 21
Ptycholoma peritana in, on strawberry 2848
Pyrralta luteola in 5772
Quadraspidiotus perniciosus in 1640
Rhyacionia frustrana in, on *Pinus* 3040
Salsola iberica in, *Coleophora parthenica* for biological control of 2758
Scaphytopius acutus in 2332
S. nitridus in, on *Citrus* 3118
Schizura concinna in
 natural enemies of 1320
 on *Cercis occidentalis* 1320
Scirtothrips citri in
 natural enemies of 1907
 on *Citrus* 4325
 on orange 1907
 seals in, organochlorine residues in 3322
Spodoptera exigua in 3904
 natural enemies of 472
 on cotton 898
Syntexis libocedrii in 426
 Tephritidae in, on peach 4145
Tetranychus pacificus in
 natural enemies of 1402
 on grapevine 845, 1402
T. urticae in
 on pear 2885
 on strawberry 522
Therioaphis trifolii in, natural enemies of 5528
Trichoplusia ni in
 natural enemies of 388, 472
 on cotton 388, 898
Tuberculatus spp. in, on *Lithocarpus* 1728
Vespula spp. in 2567
Walshomyia cupressi in
 natural enemies of 6998

California contd.

- Walshomyia cupressi* in *contd.*
 on *Cupressus* 6998
 wood-boring insects in, natural enemies of 2493
californiae, *Archytas californica*, *Plusia*, (*Autographa californicum*, *Malacosoma californicus*, *Brevipalpus californicus*, *Limoniis californicus*, *Sirex juvenicus californicus*, *Tydeus californicus*, *Urocerus Caligo*
 on banana, in Colombia 3540
 parasitised by
Lespesia spp., in Colombia 3540
Sarcodexia sternodontis, in Colombia 3540
Sarcophaga spp., in Colombia 3540
Winthemia spp., in Colombia 3540
Caliothrips fasciatus
 control of, insecticides for 4361
 in Argentina 4361
 on cotton, in Argentina 4361
Caliothrips phaseoli
 in Mexico 3699
 on cotton, in Mexico 3699
 seasonal abundance of 3699
Caliroa, keys to 1091
Caliroa annulipes
 biology of 1091
 in France 1091
 on cherry, in France 1091
 on *Quercus*, in France 1091
 parasitised by
Euryproctus sinister, in France 1091
Perilissus luteolator, in France 1091
Vibrissina turrita, in France 1091
Caliroa cerasi
 control of, biological 6356
 in France 1091
 in New Zealand 6356
 natural enemies of, in Europe 6356
 on pear, in New Zealand 6356
 parasitised by
Euryproctus sinister, in France 1091
 Ichneumonidae, in France 1091
Caliroa cinxia
 biology of 1091
 on *Quercus*, in France 1091
 parasitised by
Euryproctus sinister, in France 1091
Perilissus luteolator, in France 1091
Caliroa tremulae
 sp. n., description of 1091
 in France 1091
 on *Populus tremula*, in France 1091
Caliroa varipes
 biology of 1091
 in France 1091
 on *Quercus*, in France 1091

***Caliroa varipes* contd.**

- parasitised by
 - Ichneumonidae*, in France 1091
 - Perilissus luteolator*, in France 1091

Calisto*, in Hispaniola 7224**Calisto pulchella pulchella***

- control of 7223
- insecticides for 7224
- in Dominican Republic 7223-7224
- on sugar-cane, in Dominican Republic 7223-7224
- parasitised by
 - Brachymeria comitator*, in Dominican Republic 7224
 - Pimpla marginella*, in Dominican Republic 7224
 - Sarcophaga* spp., in Dominican Republic 7224
 - Theronia* spp., in Dominican Republic 7224

Calixin* (see Tridemorph)**Calla*, *Tetranychus urticae* on, in Romania 1027*****Callantra***

- descriptions of 1102
- illustration of 1102

Callantra minax

- in India 2031
- on *Citrus reticulata*, in West Bengal 2031

Callaphididae

- on *Betulus*, in Switzerland 3373
- on hop, in Switzerland 3373
- on *Melilotus*, in Switzerland 3373
- on *Quercus*, in Switzerland 3373

Calleida

- activity in 1295
- in Quebec 1295

Callibaphus longirostris

- Hymenostilbe nutans* in, in Ghana 7495
- in Ghana 7495

Callicarpa japonica*, antifeedant activity of extracts of 3347**Callidium aeneum***

- in Greece 5000
- on *Abies cephalonica*, in Greece 5000

calligraphus*, *Ips***Callinectes sapidus***

- DDE in, residues of 5199
- dieldrin in, residues of 5199

callinica*, *Trogoptera***Calliphora***

- enzymes in 6473
- moulting hormones in, bioassay for 161, 2687

Calliphora erythrocephala* (see *C. vicina*)**Calliphora vicina***

- alkaloids in, excretion of 7072
- cellular defense reactions in 4033
- chlorinated cyclodienes in, toxicity of 7597
- enzymes in 587, 6983

***Calliphora vicina* contd.**

- flight muscles in, development of catabolic pathways in 587

Calliphora vomitoria

- cuticle in, quantitative fractionation of 1750
- farnesane derivatives in, growth-regulator activity of 6938-6939

callipius*, *Cicinnus***Calliptamus italicus***

- in USSR 1854
- outbreaks of 1854

Callirhytis glandium

- biology of 1530
- in Czechoslovakia 1530
- on *Quercus cerris*, in Czechoslovakia 1530

Callirhytis pomiformis*, karyotype of 4077**Callistephus chinensis***

- aster yellows, causal agent in 461
- clover phyllody
- causal agent in 1576
- infectivity of 3607

Callorhinus ursinus

- chlorinated biphenyls in, residues of 5383
- DDT in, residues of 5383

Callosamia promethea* (see *Hyalophora*)**Callosobruchus*, behaviour in, effects of light on 3782*****Callosobruchus analis***

- aging in, phosphatase activity during 4041
- control of, temperature control for 1571
- enzymes in 4041
- food-plants of 7026
- in *Phaseolus angularis* seeds, development of 4136
- in stored *Phaseolus aureus* 1571
- intraspecific competition in 4136
- mating competitiveness in, effects of γ -irradiation on 7099
- sterilisation of, γ -irradiation for 7099
- taxonomy of
 - characters distinguishing *C. chinensis* and 7026
 - characters distinguishing *C. maculatus* and 7026

Callosobruchus chinensis

- γ -BHC susceptibility in, effects of diet on 7657
- control of 7639
- fumigants for 4440
- inert dusts for 3800
- insecticides for 3801, 7657
- plant extracts for 5057
- DDT susceptibility in, effects of diet on 7657
- extracts of
 - attractant for, *Callosobruchus chinensis* 3095

***Callosobruchus chinensis* contd.**extracts of *contd.*repellent for, *Tribolium castaneum*

3095

food-plants of 7026

food preferences of 6227

fungi in 6227

in *Phaseolus angularis* seeds 4440, 7639in stored *Phaseolus aureus* 1565

in stored pulses, damage caused by 6873

in wheat flour 3095

malathion susceptibility in, effects of diet on 7657

microflora in 1565

on *Phaseolus angularis* 1454

oviposition-detering pheromone of 7639

oviposition marker in 1454

sterilisation of, chemosterilants for 1155, 3436

taxonomy of

characters distinguishing *C. analis* and 7026characters distinguishing *C. maculatus* and 7026***Callosobruchus maculatus***

'active' females of 6244

active form of, effects of seed size on 3667

 γ -BHC susceptibility in, effects of diet on 7657

control of 6231

insecticides for 3898, 5067, 7657

 γ -irradiation for 75, 4085

DDT susceptibility in, effects of diet on 7657

development in, preferred pulses for 3781

eggs of, effects of γ -irradiation on 4083

fertility in, effects of infrasound on 7119

food-plants of 7026

in Brazil 936

in Egypt 6459

in Nigeria 6231, 6244

in *Phaseolus aureus* seeds, development of 4448

in stored cowpeas 75, 6229

development of 7119

in Brazil 936

in Egypt 6459

in Nigeria 6231, 6244

resistance to 3667, 7353

in stored pulses, damage caused by 6873

life-span of 75

malathion susceptibility in, effects of diet on 7657

miniature form of, effects of seed size on 3667

on *Vigna unguiculata* 2932, 6229

in Nigeria 6231

resistance to 2933

oviposition in 75, 2932

evolution of 4448

***Callosobruchus maculatus* contd.**oviposition in *contd.*

preferred pulses for 3781

polymorphism in 6299

reproductive system in 6459

sterilisation of, γ -irradiation for 3236, 6459

taxonomy of

characters distinguishing *C. analis* and 7026characters distinguishing *C. chinensis* and 7026***callosus*, *Sitona******callosus*, *Sphenophorus******Calocalpe undulata* (see *Rheumaptera*)*****calochroma*, *Eurypepla******Caloglyphus anomalus***

biology of 4747

in Canada 4747

on wheat, in Manitoba 4747

Caloglyphus berleseii

metabolic inhibitors for 6239

nutrition of 6239

Caloglyphus mycophagus

biology of 6028

in Italy 6028

on mushroom, in Italy 6028

Calophasia casta

biology of 5479

in Yugoslavia 5479

on *Antirrhinum*, in Yugoslavia 5479on *Linaria dalmatica*, in Yugoslavia 5479

parasites of, in Yugoslavia 5479

Calophyllum*, extracts of, in *Dysdercus cingulatus*, JH activity of 4529**calopus*, *Allograpta******Calosoma***

activity in 1295

in Quebec 1295

preying on, *Mamestra brassicae*, in Bulgaria 7189***Calosoma calidum***

in Canada 326

in apple orchards, in Quebec 326

Calosoma chinense

in Japan 870

preying on, *Mamestra brassicae*, in Japan 870***Calosoma inquisitor***

in USSR 3738

preying on

Geometridae, in USSR 3738

Lymantria dispar, in Europe 3168***Calosoma investigator***

in USSR 3738

preying on, Geometridae, in USSR 3738

Calosoma sycophanta

prey viruses in, transmission of 3144

preying on

Lymantria dispar 3144

in Europe 3168

Subject Index

- Calosoma vagans**
in Argentina 774
preying on, insects, in Argentina 774
- Calosota**, parasitising, *Agapanthia violacea*, in Italy 1979
- Calotes nemoricola**, preying on, insects, in India 7202
- Calotes versicolor**, preying on, *Spodoptera litura* 5094
- Calotropis**, *Arocatus continctus* on, in Tamil Nadu 1847
- Calotropis gigantea**
Danaus plexippus on, in Hawaii 4993
Poeciloceris pictus on, in India 7169
- Calotropis procera**
extracts of
repellent for
Rhyzopertha dominica 1552
Tribolium castaneum 1552
Trogoderma granarium 1552
Poeciloceris hieroglyphicus on 5417
P. pictus on, in Pakistan 5399
Spilostethus pandurus on 5874
- Calvia decemguttata**
illustrations of 1106
in Poland 1106
in orchards, in Poland 1106
- cambelli**, *Axiagastus*
- Cambodia** (see Khmer Republic)
- cambricus**, *Sitona*
- camelina**, *Lophopteryx* (see *Ptilodon capucina*)
- Camellia**
Duplaspidiotus claviger on, in Florida 6804
D. tessaratus on, in Florida 6804
Howardia biclavis on, in Florida 6804
Metronia bicolor on, in USA 7142
Pseudaonidia duplex on, in Florida 6804
P. paeoniae on, in Florida 6804
- Camellia japonica**, *Fiorinia theae* on, in Florida 6203
- Camellia reticulata**, *Acaphylla theae* on, in Taiwan 4187
- Camellia sinensis** (see Tea)
- Cameroon**
Afrocidens spp. in, on cacao 1494
Coccoidea in, on *Citrus* 5100
Helopeltis corbisieri in, on cacao 7400
H. gerini in, on cacao 7400
Hypothenemus polyphagus in, on rice 4272
Mesohomotoma tessmanni in, on cacao 1494
- camerunensis**, *Aphidius*
- Camnula pellucida**
control of, insecticides for 1251, 3319
eggs of, water uptake in 740
embryonic development in 740
in Canada 740, 1251, 7173
in USA 3319
in grassland, in Washington 3319
- Camnula pellucida** contd.
male sex organs in 4613
reproduction in 4613
seasonal abundance of, prediction of 7173
- campanus**, *Serrodus*
- Campesterol** (see Ergost-5-en-3-ol, (3 β ,24 R)-)
- campestris**, *Gryllus*
- campestris**, *Orthops*
- Camphene** (see Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene-)
- Campoletis**, parasitising, *Heliothis* spp., in South Carolina 3512
- Campoletis cognata**
in USSR 5458
parasitising, *Agrotis segetum*, in Uzbekistan 5458
- Campoletis maculipes**
in USSR 6767
parasitising, *Mamestra brassicae*, in Caucasus 6767
- Campoletis sonorensis**
biology of 198
descriptions of 198
illustrations of 198
Nosema campoletidis in 482
N. heliothidis in 482
parasitised by
Catolaccus aeneoviridis 482
Spilochalcis side 482
parasitising
Heliothis armigera, and biological control using 3178
H. virescens 198, 482
H. zea 482
pesticides in, toxicity of 5205
- Campoletis viennensis**
descriptions of 6623
hosts of 6623
in Italy 6623
parasitising, *Ostrinia nubilalis*, in Italy 6623
- Camponotus**
control of
baits for 2696
insecticides for 6870
in structural timber, in Canada 6870
rearing of, techniques for 4722
swarming in 2410
- Camponotus acvapimensis**
in Ghana 400
on cacao, in Ghana 400
Phytophthora palmivora in, transmission of 400
preying on, *Coelaenomenodera elaeidis*, in West Africa 1166
- Camponotus clarithorax**, mandibular gland secretion of 3530
- Camponotus compressus**
dispersing *Tetraneura nigriabdominalis*, in Karnataka 286

***Camponotus compressus* contd.**

- in India 286, 7202
- preyed on by, *Calotes nemoricola*, in India 7202
- thorax to head length relationship in 3375

Camponotus friedae amia

- associated with, *Dysmicoccus brevipes*, in Taiwan 3645
- control of, baits for 3645
- in Taiwan 3645

Camponotus herculeanus

- flight activity in 753
- pheromones in 753

Camponotus ligniperda

- cocoons of 7117
- flight activity in 753
- in India 6205
- mutualism of *Acacia arabica*, *Oxyrhachis tarandus* and 6205
- pheromones in 753

Camponotus pennsylvanicus

- control of, insecticides for 6870
- flight activity in 753
- in Canada 6870
- in structural timber, in Canada 6870
- pheromones in 753

Camponotus schaefferi

- alarm pheromone in 4043
- in USA 4043
- mandibular gland secretion in 4043

Campoplegini

- descriptions of 1105
- illustrations of 1105
- keys to 1105
- taxonomy of 1105

Campoplex annulator* (see *Campoletis viennensis*)**Campoplex frustranae***

- in USA 4393
- parasitising, *Rhyacionia rigidana*, in Missouri 4393

Campoplex haywardi

- in Argentina 1277
- in Uruguay 1277
- parasitising, *Phthorimaea operculella*, in South America 1277

Campoplex mutabilis

- in Austria 4405
- parasitising, *Cnephasia interjectana*, in Austria 4405

Campoplex polychrosidis

- in USA 2742, 2761
- parasitising, *Rhinocyllus conicus*, in Virginia 2742, 2761

Campoplex ramidulus

- in West Germany 202
- parasitising, *Rhyacionia buoliana*, in West Germany 202

Campoplex ruffemur

- in West Germany 202

***Campoplex ruffemur* contd.**

- parasitising
- Rhyacionia buoliana*
- and biological control using, in Canada 202
- in West Germany 202

Campoplex validus*, in USA 1916**Campoplex xanthostomus***

- biology of 1275
- in Bulgaria 1275
- in USSR 5458
- parasitising
- Agrotis segetum*, in Uzbekistan 5458
- Heliothis armigera*, in Bulgaria 1275

Campylomma diversicornis

- in USSR 6920
- preying on, *Heliothis armigera*, in Tadzhikistan 6920

Campylomma livida

- in Australia 2869, 6109
- on apple, in Australia 6109
- preying on, *Bryobia rubrioculus*, in Australia 2869

Campylomma nicolasi

- in Egypt 3690
- on eggplant, in Egypt 3690
- seasonal abundance of 3690

Campylomma verbasci

- control of, insecticides for 2871
- in Canada 2871
- in USSR 6920
- on apple, in British Columbia 2871
- preying on, *Heliothis armigera*, in Tadzhikistan 6920

Canada (see also individual Provinces)

- biological control in 2250
- Camnula pellucida* in 740
- Camponotus* spp. in 6870
- Centaurea diffusa* in, *Sphenoptera jugoslavica* for biological control of 6029

Chalcidoidea in 1717***Choristoneura fumiferana* in 5816*****Cirsium arvense* in**

- insects associated with 7214
- Urophora cardui* for biological control of 4817

Coccoidea in 6447***Dermestes lardarius* in 6863*****Diprion similis* in 4402****domestic insecticide use in 6914*****Fenusa pusilla* in, on *Betula* 1883****forest pests in 917****grasses in, pests of 4248*****Heliothis zea* in**

- on maize 6682
- on tomato 6682

Hydria prunivorata* in, on *Prunus serotina* 1425*insect pests in 5410****integrated control in 4514****legumes in, pests of 4248**

Canada contd.

- Loxostege* spp. in 7032
Macrosiphum avenae in, on grain crops 6041
Microctonus aethiopoides in 4602
Pieris rapae in 471
 plant protection in 3830
Plutella xylostella in
 on crucifers 6762
 on ornamental plants 6762
Pristiphora erichsonii in, natural enemies of 3547
 Psocidae in 6875
 Quediini in 7019
Rhagoletis pomonella in, on apple 6729
Rhopalosiphum spp. in, on grain crops 6041
R. maidis in
 natural enemies of 3590
 on maize 3590
Rhyacionia buoliana in
 natural enemies of 628
 on *Pinus* 202
Scaphytopius acutus in 2332
Schizaphis graminum in, on grain crops 6041
Scoloposcelis spp. in 7015
Scolytus spp. in 3752
S. multistriatus in, on *Ulmus* 2132
Sipha kurdjumovi in, on wheat 6041
Vasates quadripes in, on *Acer* 6822
 weed biocontrol in 4243
 woodlice in 6590
Xylocoris spp. in 7015
canadensis, *Okanagana*
canadensis, *Phloeosinus*
canadensis, *Trirhabda*
 Canal sediment, organochlorine insecticides in, residues of 7680
 Canaline (see Homoserine, *O*-amino-)
canaraica, *Eupterote*
 Canary Islands
 Bruchidae in 5236
 Coleoptera in 7146
 Ernobius mollis in, on *Pinus* 5223
 Opgona sacchari in 6201
 Canavanine (see L-Homoserine, *O*-[(aminoiminomethyl)amino]-)
 Cancer (see Neoplasms)
cancriformis, *Gasteracantha*
Candida diddensii, in, *Scolytus rugulosus*, in France 321
candida, *Folsomia*
Candida utilis
 diet component for
 Ceratitis capitata 3231, 6568
 Cydia pomonella 3254
 Diatraea saccharalis 237
 Rhagoletis cerasi 3226
 Syrphidae 1121
canescens, *Venturia* (*Devorgilla*, *Exidechthis*, *Nemeritis*)

canicosta, *Symmerista**canicularis*, *Fannia**Canis familiaris* (see Dog)*Canis lupus*, organochlorine insecticides in, residues of 4561*Cannabis sativa* (see Hemp)

Cannibalism

- Acaropsis docta* 3392
Achaea janata 5926
Adalia punctata 2494
Chrysopa carnea 4731
C. zastrowi 4223
Cunaxa capreolus 6616
Leptinotarsa decemlineata 2962
Martianus dermestoides 3090
Spodoptera littoralis 1171
Synanthedon tipuliformis 6712
Tribolium castaneum 6287

Cantaloupe (see Melon (cantaloupe and musk))

Cantharidae

- on sugar-beet
 in England 4345
 pollination by 4345

Cantharis livida rufipes

- in Yugoslavia 6546
 preying on, *Hyphantria cunea*, in Yugoslavia 6546

Cantheconidea furcellata

- biology of 4226
 descriptions of 4226
 development in 4787
 fecundity in, effects of prey on 4227
 in India 4787, 6641, 6754
 in Taiwan 4226
 mortality in, effects of prey on 4227
 predatory behaviour in 4227
 preying on

Anomis flava, in Taiwan 4226*Chilo suppressalis* 4227*Diacrisia obliqua*, in Madhya Pradesh 6641*Galleria mellonella* 4227*Latoia lepida*, in Karnataka 6754*Ostrinia nubilalis* 4227*Pieris rapae* 4227

in Taiwan 4226

Spodoptera litura 4227

in Madhya Pradesh 4787

in Taiwan 4226

canus, *Limonium*

Canvas (see Textiles, canvas)

capensana, *Tortrix*Caper (see *Capparis spinosa*)Capewood (see *Arctotheca calendula*)*capicola*, *Spodoptera* (see *S. ciliium*)*capitata*, *Ceratitis**capitatus*, *Strophosomus**capito*, *Locusta migratoria**Capitophorus elaeagni*

biology of 1438

control of, insecticides for 1438

Capitophorus elaeagni contd.

in Egypt 4776

in Italy 1438

on globe artichoke

in Egypt 4776

in Italy 1438

preyed on by

Metasyrphus corollae 4773*Scymnus interruptus* 179*Sphaerophoria rueppellii*, in Egypt
4776**Capitophorus hippophaes javanicus**

in South Korea 1879

seasonal abundance of 1879

traps for 1879

Capnodis carbonaria

in Jordan 6097

in Lebanon 6097

in Syria 6097

on almond 6097

Capnodis tenebrionis

in Jordan 6097

in Lebanon 6097

in Syria 6097

on almond 6097

Capparis spinosa*Asphondylia* spp. on, in Cyprus 5538*A. gennadii* on, in Cyprus 5537*Bagrada hilaris* on, in Pakistan 2048**capreolus, Cunaxa****caprifoliae, Aphis****Caprithrips**, keys to 2341**Caprithrips insularis**

sp.n., descriptions of 2341

in USA 2341

on *Eremochloa ophiuroides*, in Georgia
(USA) 2341**Caproic acid** (see Hexanoic acid) **γ -Caprolactone** (see 2(3H)-Furanone, 5-
ethylidihydro-)**Capsella***Colaphellus hoeftii* on 4244*Gastrophysa atrocyanea* on 2753**Capsella bursa-pastoris***Amblyseius swirskii* on, feeding on pollen
7217

aphids on, in UK 3679

capsicellus, Platacus**capsici, Asphondylia****Capsicum***Agrotis ipsilon* on, in Bulgaria 2077

aphids on

in France 982

in Moldavia 6354

in Netherlands 978

Aphis nasturtii on, in Bulgaria 383cucumber mosaic virus in, aphid
transmission of 5069*Diabrotica speciosa* on, in Brazil 4761*Empoasca decipiens* on

in Bulgaria 3510

in Egypt 3690

Capsicum contd.*Euxoa* spp. on, in Ontario 6360*Heliothis armigera* on, in Bulgaria 2077*H. assulta* on

in South Korea 4354

oviposition by 5636

Macrosiphum euphorbiae on, in Finland
5635*Myzus persicae* on

in Bulgaria 383

in Finland 5635

in Moldavia 6355

Opogona sacchari on, development of
6201*Peridroma saucia* on, in Bulgaria 511,
3510

pest control on, in Sri Lanka 536

Plataculus capsicellus on 2325*Poekilocerus pictus* on, in Pakistan 5399*Polyphagotarsonemus latus* on, in
Netherlands 978*Spodoptera littoralis* on, in Egypt 3690*Tetranychus urticae* on

in Netherlands 978, 4512

in Romania 1027

Trialeurodes vaporariorum on, in
Netherlands 4512*Udea ferrugalis* on
development of 5591

in Bulgaria 3510

viruses in, in Nigeria 7477

Capsicum annum

aphids on, in Israel 4456

Asphondylia spp. on, in Cyprus 5538*A. capsici* on, in Tamil Nadu 7384*A. gennadii* on, in Cyprus 5537

cucumber mosaic virus in, in Israel 4456

Leptinotarsa decemlineata on, in Ukraine
7219*Myzus persicae* on 205, 5899

development of 2555

in Norway 4796

in Puerto Rico 3695

pepper mottle virus in

aphid transmission of 3111

resistance to 3111

pepper vein mottle virus in, in Nigeria
2186*Polyphagotarsonemus latus* on, in
Netherlands 6903

potato virus Y in, in Israel 4456

Scirtothrips dorsalis on, in Tamil Nadu
7384*Trialeurodes vaporariorum* on, in
Netherlands 6903**Capsicum annum (spice), Plodia***interpunctella* in, development of 1546**Capsicum fastigatum (spice), Plodia***interpunctella* in, development of 1546**Capsicum frutescens***Aphis gossypii* on, in Tamil Nadu 582

***Capsicum frutescens* contd.**

pepper veinall mottle virus in, in Nigeria
2186

Poecilocus pictus on, in Haryana 7169

***Capsicum frutescens* (spice)**

Ephestia cautella in, in West Bengal
3092

Plodia interpunctella in, development of
1546

Capsicum oleoresin*, against, *Tetranychus urticae* 1004**Capsicum* (spice), *Plodia interpunctella* in, in Austria 1546*****Capsicum* (stored seeds)**

Plodia interpunctella in, in Bulgaria
2166

Reesa vespulae in, in East Germany
5717

capsiformis*, *Nabis***Captafol* (3a,4,7,7a-tetrahydro-2-[(1,1,2,2-tetrachloroethyl)thio]-1*H*-isoindole-1,3(2*H*)-dione)**

against, *Aspergillus niger* 3282
in *Acrostalagus aphidum*, toxicity of
6982

in *Trichogramma cacoeciae*, effects of
1603, 3910

***Captan* (3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1*H*-isoindole-1,3(2*H*)-dione)**

against
pests of apple 5561
Tetranychidae, on apple 5562
Tetranychus urticae, on *Phaseolus* 983

in apple orchards
effects on mites of 2011, 2013
effects on Phytoseiidae of 7311
non-target effects of 5560

in *Trichogramma cacoeciae*, effects of
1603, 3910

mutagenicity of 7679

with DDT, in apple orchards, effects on
Phytoseiidae of 7311

with dodine, against, *Venturia inaequalis*
5569

with methiocarb, against, *Sitona lineatus*,
on pea 363

capucina*, *Ptilodon***capucinus*, *Bostrichus******capulifera*, *Ephialtes******Capsy alphaeus***

biology of 5938
in South Africa 1500, 5938

on protea
damage caused by 5938
in South Africa 5938

on *Protea barbiger*
damage caused by 1500
in South Africa 1500

Carabidae

activity in 1295
in Mongolia 4142

***Carabidae* contd.**

in North America 770

in Quebec 1295

in rape fields, in West Germany 6007
in UK 6

in apple orchards, in Quebec 326

in barley fields, in UK 4254

in cauliflower fields 3327

in fencerows, in Iowa 2705

in grain fields

effects of insecticides on 6040

in West Germany 6007

in hay fields, in Nova Scotia 295

in maize fields, in Iowa 2705

in pasture soil, factors affecting
populations of 1367

in pine forests

effects of soil on 5005

effects of species composition on 5005

in potato fields, effects of insecticides on
3311

in rape fields, effects of insecticides on
3311

in relict grassland, in Iowa 2705

in sugar-beet fields

effects of insecticides on 370, 3311

in Yugoslavia 2598

in wheat fields

in UK 4254

in Yugoslavia 2598

insecticide susceptibility in 770

insecticides in, effects of 5806

on conifers, in North America 770

on grain crops, in North America 770

on maize, in North America 770

on strawberry, in North America 770

on sunflower, in Yugoslavia 4972

prey of, in North America 770

preying on

aphids

in Poland 370

in UK 4254

Bothynus gibbosus, in Texas 153

Crioceris asparagi, in Massachusetts
3647

Cydia pomonella, in France 6732

Delia spp., in Switzerland 5593

D. coarctata, in England 1904

Diatraea saccharalis, in Louisiana 235

Hylemya brassicae, in Poland 4782

H. coarctata, in England 800

Mamestra brassicae, in Japan 874

traps for 370

***Carabonematidae*, in, insects 957**

Carabus, in grain fields, effects of
insecticides on 6040

Carabus auratus, in West Germany 6007

Carabus granulatus

biology of 295

in Canada 295

in hay fields, in Nova Scotia 295

- Carabus latus gougeletii* (see *C. lusitanicus latus*)
- Carabus lusitanicus latus*, preying on, *Lymantria dispar*, in Europe 3168
- Carabus nemoralis*
biology of 295
in Belgium 1199
in Canada 295, 326
in West Germany 6007
in apple orchards, in Quebec 326
in forests, in Belgium 1199
in hay fields, in Nova Scotia 295
population dynamics of 1199
traps for 1199
- Caragana arborescens*, *Eulecanium caraganae* on 6014
- caraganae*, *Eulecanium*
- Carapa guineensis*, *Humiphila paleolivacea* on, in Costa Rica 3076
- Carassius auratus*
endosulfan in, toxicity of 2643
endosulfan metabolites in, toxicity of 2643
toxaphene components in, toxicity of 4539
- Carausius morosus*
chordotonal organ in 1764
tryptophan in, metabolism of 6557
- Caraway* (*Carum carvi*)
Depressaria daucella on, in Poland 6648
insect pollinators of, in Egypt 2765
Macdunnoughia confusa on, in Bulgaria 4246
- Carbamates**
acetylcholinesterase inhibition related to electron-donor and affinity constants of 4531
determination of 1825, 1828, 3886
environmental aspects of 5161
formulations of, effects of pH on half-life of 5772
insecticidal activity of 1954
- Carbamic acid**, ethyl ester, in *Tenebrio molitor*, effects of 4668
- Carbamic acid**, 1*H*-benzimidazol-2-yl-, methyl ester (see Carbendazim)
- Carbamic acid**, [1-(butylamino)carbonyl]-1*H*-benzimidazol-2-yl]-, methyl ester (see Benomyl)
- Carbamic acid**, (dimethoxyphosphinothioyl)-methyl-, 2,3-dihydro-2,2-dimethyl-7-benzofuran ester, oxidative rearrangement of 1011
- Carbamic acid**, dimethyl-
1-[(dimethylamino)carbonyl]-5-methyl-1*H*-pyrazol-3-yl ester (see Dimetilan)
2-(dimethylamino)-5,6-dimethyl-4-pyrimidinyl ester (see Pirimicarb)
2-(1,3-dithiolan-2-yl)phenyl ester, against, *Aphis fabae* 5193
- Carbamic acid**, 1,2-ethanedithylbis[nitro-, diethyl ester, in *Vicia faba*, effects on aphid pigmentation of 5143
- Carbamic acid**, (hydroxymethyl)-
2,3-dihydro-2,2-dimethyl-7-benzofuran ester
in *Pinus mugo*
carbofuran metabolite 3908
metabolism of 3908
1-naphthalenyl ester, in *Ostrinia nubilalis*, carbaryl metabolite 3269
- Carbamic acid**, methyl-
2-chlorophenyl ester
resistance to, in, *Nephotettix cincticeps*, in Japan 2806
against
Laodelphax striatella, on rice 835
Nephotettix cincticeps, on rice 2806
separation of other carbamates and 124
3-methylphenyl ester
separation of other carbamates and 124
with malathion, against, *Nephotettix cincticeps* 1656
- Carbamic acid**, methyl(phenylthio)-
3-(1-methylpropyl)phenyl ester
biological properties of 6916
development of 6916
synthesis of 6916
- Carbamic acid**, [1,2-phenylenebis(iminocarbonylthio)]bis-
diethyl ester (see Thiophanate)
dimethyl ester (see Thiophanate-methyl)
- Carbamothioic acid**, *S,S'*-[2-(dimethylamino)-1,3-propanediyl] ester (see Cartap)
- Carbamothioic acid**, bis(2-methylpropyl)-, *S*-ethyl ester (see Butylate)
- Carbamothioic acid**, butylethyl-, *S*-propyl ester (see Pebulate)
- Carbamothioic acid**, ethyl[2-[[[(2-methylpropyl)thio]carbonyl]amino]ethyl]-*S*-(2-methylpropyl) ester
in fish, not toxic 6940
in rabbit, not toxic 6940
in rat, not toxic 6940
in *Tenebrio molitor*, growth-regulator activity of 6940
- Carbamult** (see Promecarb)
- Carbaryl** (1-naphthalenyl methylcarbamate) against
Achaea janata, on *Ricinus communis* 885
Adoretus brachypygus, on grapevine 4888
A. duvauceli, on grapevine 4888
Aegorhinus phaleratus, on peach 686
Aeneolamia varia, on sugar-cane 243
Agrotis ipsilon 4553
A. segetum, on potato 2965
Amrasca devastans
on eggplant 884

Carbaryl *contd.*against *contd.*

- Amrasca devastans contd.*
 on okra 4929
Anomis flava, on okra 4928
Anthonomus grandis 519
Antigastra catalaunalis 2079
Aphanostigma iaksuiense, on pear
 2017
Aphis fabae 1661
A. gossypii 4934
 on eggplant 884
A. pomi, on apple 1418
Athalia lugens, on radish 356
Atherigona soccata, on sorghum 4869
Baliothrips biformis, on rice 6687
Bemisia tabaci, on soy bean 1458
Bephrata maculicollis, on soursop
 4997
 bollworms, on cotton 7391
Brachmia macroscopa, on sweet potato
 2075
Bruchophagus roddi, on lucerne 6084
Calisto pulchella, on sugar-cane 7224
Callosobruchus chinensis 3801
C. maculatus, in stored *Vigna*
unguiculata 5067
Catochrysops strabo, on *Cajanus cajan*
 4955
Cecidophyopsis ribis, on black currant
 1397
Cephaloleia spp., on oil palm 7289
Ceutorhynchus assimilis, on rape 1480
Chilo agamemnon, on sugar-cane 819
C. partellus, on sorghum 4871
C. suppressalis 1657
Choristoneura fumiferana, on *Picea*
 913
 Cicadellidae, on cotton 7391
Cnaphalocrocis medinalis 3290
 on rice 827
Coccus pseudomagnoliarum, on orange
 4328
Contarinia sorghicola, on sorghum
 6699
Cosmopolites sordidus 684
Crocidolomia binotalis 6147
Curculio nucum, on hazel 6714
C. sayi, on *Castanea mollissima* 4896
Cydia nigricana 1676
 on pea 5605
C. pomonella 1204
 on apple 6020, 6104
Dalaca rufescens, in grassland 2829
Diabrotica longicornis, on maize 1947
D. virgifera, on maize 1947
Dialeurodes citri, on *Citrus* 5584
Diatraea grandiosella, on maize 703
D. saccharalis, on maize 704
Dichocrocis punctiferalis, on *Ricinus*
communis 885

Carbaryl *contd.*against *contd.*

- Diparopsis castanea*, on cotton 389,
 4501
Earias spp., on okra 4929
E. biplaga 3207
E. insulana 3207
 on cotton 4365
E. vittella, on cotton 2093
Elasmopalpus lignosellus
 on maize 706
 on soy bean 2054
Eotetranychus hicoriae, on pecan 2008
Epinotia spp.
 on clover 690
 on lucerne 690
Etiella zinckenella, on *Vigna*
unguiculata 3665
Eupterote canaraica, on coffee 3020
Euschistus heros, on soy bean 367
Euxoa messoria, on tobacco 6359,
 6798
E. ochrogaster, on tobacco 6359
Exelastis atomosa, on *Cajanus cajan*
 4955
Gargaphia sanchezi, on *Phaseolus*
vulgaris 4940
Graphognathus spp., on groundnut
 2944
 grasshoppers 3319
Heliothis spp., on cotton 1049
H. armigera 3858
 on *Cajanus cajan* 4955
 on cotton 389, 3179, 6181
 on maize 824
 on *Trifolium* 7282
H. virescens 4548
H. zea 4548
 on maize 703
 on soy bean 2923
Hemerocampa pseudotsugata 7434
Henosepilachna guttatopustulata, on
Duboisia 225
H. vigintioctopunctata 4552
Hylobius pales 1664
Hyphantria cunea 5980
Javesella pellucida, on wheat 1943
Keiferia lycopersicella, on tomato 882
Lambdina athasaria, on *Tsuga*
canadensis 3764
L. pellucidaria, on *Pinus rigida* 3054
Lasioderma serricorne 1547
 Lepidoptera
 on apple 1421
 on maize 4268
 on sugar-cane 816
Leptinotarsa decemlineata 3286
Leucinodes orbonalis, on eggplant 884,
 3694, 5634
Lipaphis erysimi 2294
 on mustard 4545

Carbaryl contd.

against contd.

- Lobesia botrana*, on grapevine 313,
5548, 5822, 6713
Lygus pratensis, on lucerne 840
Lymantria dispar 3868, 3903
Macrosiphum avenae, on oats 2256
Malacosoma disstria 4416
Maruca testulalis, on *Vigna unguiculata*
364
Messor aegyptiacus 3532
Mythimna unipuncta 2793
Myzus persicae 1661
Neodiprion tsugae 520
Nephotettix spp., on rice 1951
N. cincticeps 1657, 3279
on rice 2806
Nezara viridula, on soy bean 367
Nilaparvata lugens 1959
on rice 1951, 4865, 6696
Nymphula depunctalis, on rice 7253
Ophiomyia phaseoli, on *Vigna*
unguiculata 3665
Opogona sacchari
on *Dracaena fragrans* 4992
on *Sansevieria laurentia* 6201
on *Sansevieria trifasciata* 4992
Oscinella frit 7230
Ostrinia nubilalis 3269
on maize 2795, 5505
Otiorynchus sulcatus 1739
Oulema melanopus 272
on oats 2256
on wheat 1941
Pachyrhinadoretus rugipennis, on
grapevine 4888
Palomena prasina, on hazel 6714
Palpita nitidalis, on cucumber 357
Panonychus ulmi, on apple 4017
Pectinophora gossypiella, on cotton
4365
pests of apple 1417
pests of cabbage 4932
pests of *Citrus* 4324
pests of cotton 2092, 2546, 4376
pests of maize 4268
pests of packaging materials 6248
Phthorimaea operculella, on potato
3685
Phyllotreta atra 1661
Piezodorus guildini, on soy bean 367
Planococcus citri 6133
Plathyrena scabra, on soy bean 2923
Plodia interpunctella 2166
Plusia argentifera 6957
Prionus imbricornis, on pecan 7294
Pristiphora abietina, on *Picea abies*
1525
Psylliodes parilis, on *Duboisia* 225
Pyrrhalta luteola 5772
Quadraspidiotus perniciosus, on apple
7125

Carbaryl contd.

against contd.

- Rastrococcus spinosus*, on mango
1035
Rhyacionia frustrana, on *Pinus* 4413
Rhynchophorus ferrugineus, on coconut
1387
Rhyzopertha dominica 1669
in stored rice 3783
Saissetia oleae, on olive 1643, 5587
Salina celebensis, on cacao 903
Schizonycha ruficollis, on grapevine
4888
Selenothrips rubrocinctus, on cacao
1491
Sitophilus oryzae, in stored rice 3783
Sitotroga cerealella 1675
in stored rice 3783
Sogatella furcifera, on rice 4865
Spodoptera exigua 3904
on cotton 5641
S. frugiperda, on maize 703, 4838
S. litura 4541
on *Ricinus communis* 885
Sundapteryx biguttula, on eggplant
1477
Tetranychidae, on cotton 1049
Tetranychus cinnabarinus 160
on pear 5950
on *Vigna unguiculata* 3665
T. lombardini 160
T. ludeni 160
Thymelicus lineola 7658
Tribolium castaneum 1026, 1030,
1037, 5046, 5188, 6923
T. confusum 7655
Xylosandrus compactus, on avocado
332
antifeedant for, *Hylobius pales* 1520
determination of 123
extenders for, pinolene as 5585
formulations of
effects of pH on half-life of 5772
with charcoal 3924
in *Agrotis ipsilon*, effects of food-plant on
susceptibility to 4553
in *Amaranthus*, residues of 4331
in *Amblyseius fallacis*, toxicity of 3902
in *Amblyseius longispinosus*, toxicity of
6417
in *Anisantha tectorum*, persistence of
3319
in *Anystis baccarum*, toxicity of 6418
in *Apanteles glomeratus*, toxicity of 6965
in *Aphis gossypii*, effects of food-plant on
susceptibility to 4934
in *Apis mellifera*, toxicity of 1043, 3319,
5807
in apple orchards, effects on mites of
2011
in *Azotobacter chroococcum*, effects on
growth of 4568

Carbaryl contd.

- in *Bathyplectes curculionis*, toxicity of 4883
- in beneficial insects, toxicity of 5205
- in *Bracon hebetor*, effects on reproduction of 5187
- in *Centaurea repens*, persistence of 3319
- in Chinese cabbage, residues of 4331
- in cigarette smoke, fate of 1064
- in *Clethrionomys glareolus*, effects on reproduction of 6971
- in *Conocephalus maculatus*, toxicity of 1657
- in cotton
 - effects on yield and fibre quality of 7392
 - residues of 7661
- in cotton fields
 - effects on predacious arthropods of 1049
 - non-target effects of 3858
- in *Culex pipiens*
 - bioassay for 7661
 - toxicity of 7660
- in *Daphnia magna*
 - bioassay for 7661
 - toxicity of 7660
- in *Diparopsis castanea*, effects of sub-lethal doses of 4688
- in eggplant, effects of 6180
- in *Euglena gracilis*, effects of 3922
- in *Forcipomyia*, toxicity of 4383
- in *Geocoris*, effects on development and fecundity of 366
- in *Gromphadorhina portentosa*, metabolism of 3526
- in HeLa cells, effects of 2309
- in honey, residues of 5807
- in honey bees, toxicity of 1480, 2984
- in jute, residues of 7661
- in *Labidura riparia*, toxicity of 160
- in *Lagenaria vulgaris*, toxicity of 1446
- in leek, residues of 4331
- in *Lemmus obensis*, effects on reproduction of 6971
- in *Leptinotarsa decemlineata*, effects of temperature on susceptibility to 3286
- in *Leucophaea maderae*, metabolism of 3526
- in *Lixophaga diatraeae*, toxicity of 6026
- in lucerne, residues of 1705
- in lucerne fields, non-target effects of 840
- in *Lycosa pseudoannulata*, toxicity of 1657
- in *Macoma nasuta*, effects of 1051
- in maize
 - residues of 703, 2793
 - toxicity of 706
- in man, metabolism of 1058
- in *Megachile pacifica*
 - metabolism of 1667

Carbaryl contd.

- in *Megachile pacifica* contd.
 - toxicity of 1662
- in *Menochilus sexmaculatus*, toxicity of 2294
- in *Metaseiulus occidentalis*, toxicity of 6109
- in model aquatic ecosystem, metabolism and distribution of 4580
- in *Momordica charantia*, toxicity of 1446
- in mouse intestine, not inhibiting active transport of glucose 1686
- in *Nomuraea rileyi*, not inhibiting growth 3823
- in *Ochotona pricei*, effects on reproduction of 6971
- in olive groves, non-target effects of 1643
- in *Ostrinia nubilalis*, metabolism of 3269
- in *Pardosa crassipalpis*, toxicity of 160
- in pea, systemic activity of 1661
- in *Periplaneta americana*, metabolism of 3526
- in *Phaseolus vulgaris*, residues of 7661
- in *Pinus clausa*, toxicity of 4413
- in *Pinus virginiana*, toxicity of 4413
- in pollen, residues of 5807
- in *Popilius disjunctus*, effects of 578
- in rape, systemic activity of 1661
- in rat, toxicity of 7087
- in *Rhizobium trifolii*, effects on growth of 4568
- in *Rhombomys opimus*, effects on reproduction of 6971
- in *Schistocerca americana*
 - effects on nerve function of 2290
 - metabolism of 3526
- in soil, residues of 1704, 5822
- in soy-bean fields, non-target effects of 4949
- in spinach, residues of 4331
- in *Spodoptera littoralis*, effects of 5797
- in *Stethorus loi*, toxicity of 6417
- in *Talpa europaea*, effects on reproduction of 6971
- in tobacco, systemic activity of 1661
- in *Tribolium castaneum*
 - effects of diet on susceptibility to 1026
 - effects of fluctuating temperature on susceptibility to 1030
 - effects of temperature on susceptibility to 5188
- in *Trichogaster pectoralis*, toxicity of 1693
- in *Typhlodromus pyri*, not toxic 3902
- in *Typhlodromus ruralis*, toxicity of 2008
- in *Vigna unguiculata*, effects of 3665
- in wettable powders, determination of 2546
- in *Xanthogramma scutellare*, toxicity of 2294

Carbaryl contd.

resistance to, in

Aeneolamia varia, in Trinidad 243*Amblyseius fallacis* 5557

in USA 4017

Curculio nucum, in Turkey 7565*Drosophila melanogaster*, in West

Germany 1645

Laodelphax striatella, in South Korea 3278*Leptinotarsa decemlineata* 4969

in Poland 3205

Nephotettix cincticeps, in Japan 2806*Otiorynchus sulcatus*, in Ohio 1739

synergists for 3903, 4541

1-chloro-3-nitro-4-(2-

propynyloxy)benzene as 4548

dill extracts as 1649

organic thiocyanates as 7655

piperonyl butoxide as 1662

steroids as 7087

with aldicarb, against, *Sundapteryx**biguttula*, on eggplant 1477with azinphos-methyl, against, *Keiferia**lycopersicella*, on tomato 882with *Bacillus thuringiensis*

against

Adelphocoris lineolatus, on lucerne 6081*Cydia pomonella*, on apple 6020in *Agathis rufipes*, not pathogenic 6020in *Ascogaster quadridentata*, not pathogenic 6020with *Beauveria bassiana*

against

Cydia pomonella, on apple 3625*Leptinotarsa decemlineata*, on potato 2963with γ -BHC

against

Chilo polychrysus, on rice 1951*C. suppressalis*, on rice 1951*Hydrellia sasakii*, on rice 4866*Leptinotarsa decemlineata* 3286

on potato 373, 2961, 4969

Nilaparvata lugens, on rice 6696*Opogona sacchari* 6201*Orseolia oryzae*, on rice 4866

pests of rice 828

Rhyzopertha dominica 1669*Schoenobius dodatellus*, on rice 1951*Scirpophaga incertulas*, on rice 1951*Sesamia inferens*, on rice 1951

in soil, effects on bacteria and nutrient status of 831

in *Vigna unguiculata*, effects on root nodulation of 7354with γ -BHC, and methoxychlor, against,*Leptinotarsa decemlineata* 3286**Carbaryl contd.**with chlordimeform, against, *Heliothis virescens* 6399

with chlorfenvinphos, against,

Leptinotarsa decemlineata, on potato 4969

with DDT

against

Diparopsis castanea, on cotton 7507*Heliothis armigera*, on cotton 7507with dichlorvos, against, *Rhyzopertha dominica* 1669with dimethoate, against, *Bemisia tabaci*, on cotton 3005

with dimethoate, and molasses, against, pests of cotton 3008

with disulfoton, against, *Sundapteryx biguttula*, on eggplant 1477with iodofenphos, against, *Rhyzopertha dominica* 1669

with malathion

against

Nephotettix cincticeps 1656*Rhyzopertha dominica* 1669

with methoxychlor

against

Keiferia lycopersicella, on tomato 882*Leptinotarsa decemlineata* 3286

on potato 373, 2961

with methyl-demeton

against

Heliothis armigera, on cotton 6182

Tetranychidae, on cotton 6182

with methyl-parathion

against

Heliothis virescens, on cotton 4548*H. zea*, on cotton 4548

with molasses

against

Earias vittella, on cotton 2093*Heliothis* spp., on cotton 1049

pests of cotton 3008, 7515

Sundapteryx biguttula, on eggplant 1477*Sylepta derogata*, on cotton 6185

Tetranychidae, on cotton 1049

in cotton fields, effects on predacious arthropods of 1049

with oil emulsion

against

Ceroplastes rubens, on *Citrus* 333*Coccus pseudomagnoliarum*, on orange 4328*Diaprepes abbreviatus*, on orange 5585in *Apis mellifera*, toxicity of 3319with phorate, against, *Sundapteryx biguttula*, on eggplant 1477with silica, against, *Tetranychus urticae*, on *Vicia faba* 1004

Carbaryl *contd.*

- with sulfur, against, *Idioscopus clypealis*,
on mango 3644
- with tetrachlorvinphos, against,
Rhyzopertha dominica 1669
- with tetradifon, against, *Heliothis*
armigera, on cotton 7518
- with trichlorphon, against, *Rhyzopertha*
dominica 1669

Carbaryl, 5,6-dihydro-5,6-dihydroxy- (*see* 1,5,6-Naphthalenetriol, 5,6-dihydro-, 1-(methylcarbamate))**Carbaryl, 4-hydroxy-** (*see* 1,4-Naphthalenediol, 1-(methylcarbamate))**Carbendazim** (methyl 1*H*-benzimidazol-2-ylcarbamate)

- against, *Cecidophyopsis ribis*, on black
currant 1997

Carbetox (*see* Malathion)**Carbicon** (*see* Dicrotophos)**Carbofuran** (2,3-dihydro-2,2-dimethyl-7-benzofuranyl methylcarbamate)

- acaricidal activity of 2664

against

- Acyrtosiphon dirhodum*, on wheat
688
- A. pisum*, on lucerne 4293
- Aegorhinus phaleratus*, on peach 686
- Agallia constricta*, on maize 5503
- Agriotes* spp. 152, 2281
- on sugar-beet 2663
- Alicdodes affaber*, on cotton 3708
- Amrasca biguttula*, on cotton 1484
- A. devastans*, on cotton 3179
- Anaphothrips sudanensis*, on maize
7247

aphids

- on cotton 3806
- on maize 5503

Aphis gossypii, on cotton 1484, 3179,
4361*A. pomi*, on apple 1418*Atherigona* spp., on maize 4842*A. approximata*, on *Pennisetum*
typhoides 4830*A. soccata*, on sorghum 836-837, 6067*Atomaria linearis*, on sugar-beet 3945*Bagrada hilaris*, on mustard 858*Bemisia tabaci*, on soy bean 1458*Blaniulus guttulatus*, on sugar-beet
3945*Blissus insularis*, on *Stenotaphrum*
secundatum 2822*Brachydesmus superus*, on sugar-beet
3945*Brivicoryne brassicae*, on *Brassica*
campestris 7336*Bucculatrix thurberiella*, on cotton
2988*Busseola fusca*, on maize 5507*Caliothrips fasciatus*, on cotton 4361*Camnula pellucida* 1251**Carbofuran** *contd.*against *contd.*

- Cephaloleia* spp., on oil palm 7289
- Cerataphis variabilis*, on coconut 2844
- Cerotoma trifurcata*, on soy bean 4341
- Chaetocnema pulicaria*, on maize 4558
- Chilo infuscatellus*, on sugar-cane
6667
- C. suppressalis*, on rice 7254
- Cnaphalocrocis medinalis*, on rice 716
- Conotrachelus nenuphar*, on apple
7312
- Cosmopolites sordidus*, on banana
1434, 2904
- Curculio sayi*, on *Castanea mollissima*
4896
- Cylas formicarius*, on sweet potato
2969
- Dasineura pyri*, on pear 3183
- Delia brassicae* 2041
- on turnip 4557
- Diabrotica longicornis* 6049
- on maize 1691
- Elasmopalpus lignosellus*
on groundnut 4342
- on maize 706
- Empoasca fabae*, on *Phaseolus vulgaris*
2927
- E. kerri* 7345
- Enneothrips flavens*, on groundnut
7361
- Epiphyas postvittana*, on pear 3183
- Graminella nigrifrons*, on maize 5503
- Heliothis virescens*, on chickpea 707
- Herpetogramma phaeopteralis*, on
Cynodon dactylon 2822
- Homoeosoma electellum*, on sunflower
2986
- Hylemya brassicae*
on *Brassica* 3947
- on cauliflower 3327
- Hylobius pales* 1664
- on *Pinus* 7425
- Hypera brunneipennis*, on lucerne
4293
- Hyperodes bonariensis*
on *Lolium* 3186
- on maize 3187
- Hypsipyla grandella*, on *Swietenia*
macrophylla 3079
- Inopus rubriceps* 3193-3195
- Keiferia lycopersicella*, on tomato 882
- Lepidoptera, on sugar-cane 816
- Leptinotarsa decemlineata*, on potato
1679
- Lipaphis erysimi*, on mustard 858
- Listronotus oregonensis* 877
- on carrot 7370
- Lygus hesperus* 1452
- Madurasia obscurella* 7345
- Mayetiola destructor*, on wheat 6045
- Melanoplus sanguinipes* 1251

Carbofuran contd.

against contd.

- Melolontha melolontha* 2281
Mythimna unipuncta, on maize 2793
Myzus persicae 7576
 on *Capsicum annuum* 3695
 on tobacco 397
Naupactus xanthographus, on peach 687
Nephotettix cincticeps, on rice 4273
N. virescens, on rice 6877
Nilaparvata lugens, on rice 1964, 4273, 4851
Ophiomyia phaseoli 7345
Ostrinia nubilalis, on maize 1691, 4558
Otiorynchus sulcatus 1739
Pachylobius piciporus, on *Pinus* 7425
Palpita nitidalis, on cucumber 357
Panonychus ulmi, on pear 3183
 pests of beet 2947
 pests of maize 6992
 pests of potato 1679
 pests of rice 1953, 3598, 7273
 pests of soy bean 6778
Plathypena scabra, on soy bean 2923
Plutella xylostella, on cabbage 1440, 4329
Prionus imbricornis, on pecan 7294
Pseudococcus spp., on grapevine 3183
Psila rosae, on carrot 3947, 7370
Rhopalosiphum maidis, on maize 6049
Rhyacionia frustrana, on *Pinus radiata* 3040
Saissetia coffeae, on *Aphelandra squarrosa* 3729, 6802
Schizaphis graminum 1938
 on sorghum 3202
Sitona hispidulus, on lucerne 3606
Sphenophorus callosus, on maize 4264
S. maidis, on maize 4558
Spissistilus festinus, on soy bean 4341
 stem borers, on rice 716
Taniva albolinea, on *Picea* 3043
Tetranychus spp., on cotton 4361
T. urticae, on *Phaseolus vulgaris* 5185
 thrips, on tea 4991
Tipula spp. 7588
Tryporyza nivella, on sugar-cane 267
Xylosandrus compactus, on avocado 332
 in animals, determination of 1208
 in *Bathyplectes curculionis*, toxicity of 4883
 in cigarette smoke, fate of 1064
 in earthworms, toxicity of 3327
 in *Eisenia foetida*
 metabolism of 1684
 toxicity of 1684
 in *Folsomia candida*, toxicity of 3304
 in formulations, determination of 4156
 in *Hypogastrura armata*, toxicity of 3304

Carbofuran contd.

- in *Lixophaga diatraeae*, toxicity of 6026
 in *Lumbricus terrestris*
 metabolism of 1684
 muscle necrosis caused by 2307
 toxicity of 1684
 in maize, effects on yield of 1691
 in *Nomuraea rileyi*, not inhibiting growth 3823
 in *Onychiurus folsomi*, toxicity of 3304
 in pastures, non-target effects of 1978, 2833-2834, 7678
 in *Pinus mugo*, metabolism of 3908
 in rat, toxicity of 2664
 in *Saissetia coffeae*, effects on parasites of 3729
 in soil, residues of 1704
 in soy bean, residues of 6778
 in *Stenolophus comma*, toxicity of 1054
 insecticidal activity of 1608, 2664
 nematocidal activity of 2664
 synergists for, dill extracts as 1649
 with herbicides 3327
 compatibility of 3202
Carbofuran, 3-hydroxy- (see 3,7-Benzofurandiyl, 2,3-dihydro-2,2-dimethyl-, 7-(methylcarbamate))
Carbofuran, 3-keto- (see 3(2*H*)-Benzofuranone, 2,2-dimethyl-7-[[[(methylamino)carbonyl]oxy]-])
Carbofuran phenol (see 7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-)
Carbohydrates
 diet component for, *Tribolium castaneum* 6496
 in *Citrus* leaves, incorporation of ¹⁴C into 137
 in cotton
 effects of systemic insecticides on 894
 effects of water shortage on 1815
 in *Dendroctonus pseudotsugae*, effects of nematode infection on 2230
 in *Gilpinia hercyniae* and spruce needles 4407
 in insect diets 139
 in *Locusta migratoria*
 digestion of 1852
 utilisation during flight of 5309
 in *Locusta migratoria* haemolymph, homeostasis of 4189
 in okra
 effects of yellow-vein mosaic virus infection on 1439
 effects on insect susceptibility of 2037
 in *Picea abies* needles, utilisation by insects of 5275
 in *Pinus banksiana* 3065
 in soy-bean seeds, not affected by *Diacrisia obliqua* damage to plant 2059
 in *Spodoptera litura* hemolymph, effects of nuclear polyhedrosis virus on 6508

Carbohydrates *contd.*

Tetranychus urticae feeding response to 1710

Carbon

with *Bacillus thuringiensis* 2120

with *Bacillus thuringiensis*, and molasses 2120

Carbon dioxide

against, *Quadraspidiotus perniciosus*, in stored apples 3859

in *Atrachya menetriesii*, effects on egg diapause of 2394

in *Bombyx mori*, effects of temperature on output of 4626

in *Ephestia cautella*, effects of 1002, 2420

in *Selanastrum capricornutum*, effects of DDT on assimilation of 6413

in *Sitophilus granarius* 1665

effects on life-span of 5346

in *Sitophilus zeamais*, effects on life-span of 5346

in *Tribolium castaneum*, effects of 5346

in *Tribolium confusum* 1665

in *Trichoplusia ni*, effects of light regime on output of 575

mirex thermopproduct 4540

role in toxicity of phosphine of 1665

wireworm orientation to 4744

with oxirane

against

Acanthoscelides obtectus 1046

Ephestia kuehniella 1046

Sitophilus granarius 1046

S. oryzae 1046

Tribolium confusum 1046

Trogoderma granarium 1046

in seeds, effects on germination of 1046

Carbon disulfide

against

Ephestia cautella 1681, 5058

Gastrallus indicus, in books 5068

Leiodinychus krameri 5055

Oryzaephilus mercator 3197

Tribolium castaneum 6923

Trogoderma granarium 1681, 5058

attractant for, *Ips grandicollis* 2146

fumigant for, books 5068

in *Corcyra cephalonica*, effects of diet on susceptibility to 1668

in cottonseed, effects on germination of 3797

in stored grain, effects on germination of 3798

in stored maize, effects on germination of 3797

in stored vegetable seeds, effects on germination of 3799

in stored *Vicia faba*, effects on germination of 3798

Carbon disulfide *contd.*

in stored wheat, effects on germination of 3797

with tetrachloromethane

against, *Plodia interpunctella* 1029

in *Bacillus thuringiensis*, not toxic 4435

in *Plodia interpunctella*, not affecting granulosis virus 4435

Carbon monoxide

in rat, inhibiting γ -BHC dehydrogenation 5809

mirex thermopproduct 4540

Carbon tetrachloride (see Methane, tetrachloro-)**carbonaria**, *Capnodis***carbonarius**, *Apanteles***Carbonic acid**

calcium salt (1:1), diet component for, *Spodoptera littoralis* 138

disodium salt, with oil emulsion, against, *Ceroplastes rubens*, on *Citrus* 333

1-methylethyl 2-(1-methylpropyl)-4,6-dinitrophenyl ester (see Dinobuton)

Carbonic dichloride, mirex thermopproduct 4540**Carbonyl compounds**, in air of insect-rearing laboratories 4724**Carbophenothion** (S[[[4-chlorophenyl]thio]methyl] O,O-diethyl phosphorodithioate) against

Achaea janata, on *Ricinus communis* 885

Antigastra catalaunalis 2079

Aphis pomi, on apple 1418

Bryobia praetiosa, on pear 7318

Catochrysops strabo, on *Cajanus cajan* 4955

Cnaphalocrocis medinalis 3291

Cryptoblabes gnidiella, on sorghum 6068

Cylas formicarius, on sweet potato 2969

Dichocrocis punctiferalis, on *Ricinus communis* 885

Drosicha mangiferae, on mango 1436

Exelastis atomosa, on *Cajanus cajan* 4955

Heliethis armigera, on *Cajanus cajan* 4955

Macrosiphum rosae, on rose 3024

Psila rosae, on carrot 2957

Spodoptera litura, on *Ricinus communis* 885

Tetranychus neocaledonicus, on eggplant 2975

in *Branta canadensis*, toxicity of 3919

in carrot, residues of 2957

in *Harpalus rufipes*, toxicity of 802

in *Nomuraea rileyi*, toxicity of 3823

in pigeon, toxicity of 3919

Carbophenothion contd.

- in *Pterostichus*, toxicity of 802
- in quail, toxicity of 3919
- in soil, residues of 2957
- resistance to, in, *Amblyseius fallacis*, in Michigan 6025
- with chlorfenvinphos, against, *Delia coarctata*, on wheat 7586
- with oil emulsion, against, *Panonychus ulmi*, on apple 2882

Carbophos (see Malathion)**Carboxylase, acetyl-CoA**, in *Ceratitis capitata*, activity pattern of 1067**Carboxylic acids**

- in Coreoid metathoracic-gland secretions 3395
- in *Gilpinia hercyniae* and spruce needles 4407

Carboxypeptidase

- degradation of *Bacillus thuringiensis* δ -endotoxin using 959
- in *Chilo partellus* gut, not found 581
- in *Tineola bisselliella* 37

Carcelia corvinoides

- in India 6641
- parasitising, *Diacrisia obliqua*, in Madhya Pradesh 6641

Carcelia lucorum

- in USSR 1872
- parasitising, *Arctia caja*, in USSR 1872

Carcelia reclinata

- in Colombia 3540
- parasitising, *Estigmene acraea*, in Colombia 3540

carcharias, Saperda**Carcinogens**, pesticides as 5203**Cardamom, greater** (see *Amomum subulatum*)**Cardamom (greater) mosaic streak virus** in

- Amomum subulatum*, in West Bengal 946
- Brachycaudus helichrysi*, transmission of 946
- Macrosiphum avenae*, transmission of 946
- Rhopalosiphum padi*, transmission of 946

Cardamom Katte disease (see Cardamom (lesser) mosaic virus)**Cardamom, large** (see *Amomum subulatum*)**Cardamom, lesser** (see *Elettaria cardamomum*)**Cardamom (lesser) mosaic virus** in

- Amomum canneccarpum*, in Karnataka 145
- A. involucreatum*, in Karnataka 145
- Elettaria cardamomum*, in Karnataka 145
- maize, in Karnataka 145
- vectors of 145

Cardamom Marble disease (see Cardamom (lesser) mosaic virus)**Cardamom Mosaic disease** (see Cardamom (lesser) mosaic virus)**Cardaria draba**

- Colaphellus hoeftii* on, in Iran 4244
- Thrips tabaci* on, in Bulgaria 3700
- Thysanoptera on, in Iran 4244

Cardboard (see Paperboard)**Cardiaspina albitextura**

- biology of 4400
- in Australia 4400
- lerps of 7049
- on *Eucalyptus blakelyi*, in Australia 4400

cardinalis, Dysdercus**cardinalis, Rodolia****Cardiochiles nigriceps**

- Bacillus thuringiensis* in, effects on life-span of 964
- in USA 3512
- monocrotophos in, toxicity of 964
- oocytes in, virus-like particles associated with 2224
- parasitising
 - Heliothis* spp., in South Carolina 3512
 - H. armigera*, and biological control using 3178
 - H. virescens* 964, 4795, 5461, 5468
- searching behaviour in, role of host secretions in 5461

Cardiocondyla, tending, *Smynthuroides betae*, in Turkmenia 5647**Cardiocondyla nuda**

- in Papua New Guinea 1270
- in urban mown grassland, in Papua New Guinea 1270

Cardiolipins, in *Pieris brassicae* 2400**Carduaceae**

- Cassida deflorata* on, in Italy 1437
- C. rubiginosa* on, in Italy 1437

cardui, Agapanthia**cardui, Brachycaudus****cardui, Cynthia**

(Pyrameis)

cardui, Urophora**carduidactyla, Platyptilia****carduorum, Altica****Carduus**

- Ceuthorrhynchidius horridus* on, and biological control using, in Virginia 2377

- Terellia serratulae* on, and biological control using, in Pakistan 1323

Carduus acanthoides

- Rhinocyllus conicus* on, and biological control using, in Virginia 2742
- Urophora cardui* on 4817

Carduus edelbergii, Terellia serratulae on, in Pakistan 1323

Carduus nutans

- Rhinocyllus conicus* on
- and biological control using
- in New Zealand 3972
- in Quebec 6660
- in Virginia 2742, 3566
- in Virginia 2761

Terellia serratulae on, false record 1323

Carduus pycnocephalus, *Saissetia oleae* on,

- in Greece 6626

3-Carene (see Bicyclo[4.1.0]hept-3-ene, 3,7,7-trimethyl-)

Carex, *Macrochilo cribrumalis* on, in

- Norway 5373

Carex macrocephala, *Balanococcus orientalis* on, in Sakhalin 7009

Caribbean region, *Leptoglossus* spp. in 655

Carica papaya

- Aphis gossypii* on 2036
- arthropods associated with, in Colombia 4739

- papaw mosaic virus in 2036
- aphid transmission of 5589

Poeciloceris pictus on, in Karnataka 1401

carinata, *Entylia***carinata**, *Pleocoma***carinatus**, *Calacarus*

Carlina corymbosa, *Saissetia oleae* on, in

- Greece 6626

Carnation (*Dianthus caryophyllus*)

- Cacoecimorpha pronubana* on
- imported into Austria 6588
- in Italy 5125

- carnation yellow fleck virus in
- in Israel 459
- symptoms of 459

Delia echinata on, in Czechoslovakia 5405

- Epichoristodes acerbella* on
- imported into Austria 6588
- in France 6810
- in Italy 407, 5125, 6810

Thrips tabaci on, in Bulgaria 3027

Carnation latent virus 459

Carnation vein mottle virus 459

Carnation yellow fleck virus

- in
- carnation
- in Israel 459
- symptoms of 459
- Myzus persicae*, transmission of 459

carnea, *Chrysopa***carnesi**, *Marietta***carnosum**, *Microlophium***Carob** (*Ceratonía siliqua*)

- Asphondylia gennadii* on, in Cyprus 5537

Ectomyeloides ceratoniae on, in France 1404

Penichroa fasciata on 2179

Carob meal

- bait component for, stored-product insects 5706

Ephestia calidella in, development of 5704

E. cautella in, development of 5704

E. figulilella in, development of 5704

Carob (stored pods)

- Ephestia calidella* in
- development of 5704
- in Cyprus 501

E. cautella in

- development of 5704
- in Cyprus 501

E. figulilella in

- development of 5704
- in Cyprus 501

Lasioderma serricorne in, in Cyprus 501

carotae, *Napomyza***Carotenes**

- in carrot, effects of fenitrothion on 7371
- in grasses, effects of *Solenopsis invicta* on 6609

Carotenoids

- in *Bombyx mori*, uptake by silk gland of 5295

in *Hyalophora cecropia*, selective storage of 6509

in lucerne, incorporation of methoprene into 1702

in *Manduca sexta*, selective storage of 6509

in *Pieris brassicae* diet, effects on coloration of 2402

in rice, incorporation of methoprene into 1702

in sour orange, effects of *Eutetranychus orientalis* on 1432

Carp (see also *Cyprinus*)

- insecticides in, toxicity of 3325

Carp, common (see *Cyprinus carpio*)**carpatus**, *Apanteles***carpenteri**, *Dendrocerus*

Carpets, synthetic, organochlorine insecticides in, residues of 4578

Carpets, wool, organochlorine insecticides in, residues of 4578

carpini, *Eotetranychus*

Carpinus betulus, *Colotois pennaria* on, in Austria 439

Carpodites, dieldrin in, residues of 7671

Carpobrotus edulis, *Amblyseius swirskii* on, feeding on pollen 7217

Carpobrotus edulis pollen, diet component for, *Cybocephalus micans* 2721

Carpocapsa pyrivora (see *Cydia*)**Carpocoris pudicus pallidus**

- in Pakistan 1338
- nematodes in, in Pakistan 1338
- on rice, in Pakistan 1338
- on wheat, in Pakistan 1338

***Carpocoris pudicus pallidus* contd.**

parasitised by, *Trissolcus grandis*, in
Pakistan 1338

Carpocoris purpureipennis* (see *C. pudicus*)**Carpoglyphus lactis***

biology of 7474

control of, temperature and humidity
control for 7474

in France 7474

in prunes, in France 7474

Carpophilus

on maize

in Egypt 4836

in Karnataka 6683

seasonal abundance of 4836

Carpophilus dimidiatus

food of 1846

in USA 1846

in Yugoslavia 5045

in stored garlic, in USA 1846

in stored groundnuts, in USA 1846

in stored onions, in USA 1846

in stored yams, in USA 1846

in warehouses, in Yugoslavia 5045

Carpophilus freemani

in USA 5554

Sclerotinia fruticola in, in California
5554

Carpophilus hemipterus

in USA 5554

Sclerotinia fruticola in, in California
5554

Carpophilus humeralis* (see *Urophorus*)**Carpophilus lugubris***

in USA 1846

in stored maize, in USA 1846

Carpophilus marginellus

in Sri Lanka 817

preying on, *Saccharicoccus sacchari*, in Sri
Lanka 817

Carpophilus mutilatus

in USA 1846, 5554

in stored maize, in USA 1846

on nectarine, in California 5554

on peach, in California 5554

Sclerotinia fruticola in

in California 5554

transmission of 5554

Carpophilus obsoletus

in Egypt 3780

in stored garlic, in Egypt 3780

Carpsucker (see *Carpiodes*)**Carrageenan, diet component for, *Aegeria pictipes* 1845****Carrot (*Daucus carota*)**

arthropod pests of, in UK 545

aster yellows

causal agent in

in Japan 461

symptoms of 461

Carrot contd.

Cavariella aegopodii on

diseases transmitted by 7369

in France 7156

in Northern Ireland 5978

in UK 876

Chabuata major on, development of
1798

chlordane in, residues of 533, 3953

chlorfenvinphos in, residues of 1466

Cylas formicarius on, development of
6788

DDT in, residues of 5210

fenitrothion in

effects of 7371

residues of 526

fensulfthion in, residues of 2073

Hylemya platura on, in France 5392

insect pests of, in Quebec 5474, 5476

insecticides in

determination of 3297

residues of 2957, 6166

leafhoppers on, in Poland 5590

leptophos in, residues of 1658

Listronotus oregonensis on

in Ontario 877, 7370

in Quebec 877

Margaritita sticticalis on, in Ukraine 5402

millepedes on, in UK 4749

Miridae on

damage caused by 2067

in Poland 2067

Myzus persicae on, in Czechoslovakia
4921

Napomyza carotae on, in England 2068

pest control on 3956

in Poland 6757

in Switzerland 3862

in UK 3272

pests of, in Denmark 5400

Phytomyza chaerophylli on, in England
5619

pirimiphos-ethyl in, effects of 2955

Psila rosae on

in England 2068, 3946–3947, 5618

in France 2957, 5392

in New Zealand 3189

in Northern Ireland 499, 5978

in Ontario 7370

in Poland 2955

in Switzerland 2069

in UK 2956, 3272, 6166, 7528

Semiaphis dauci on, in Czechoslovakia
4921

Sericesthis nigrolineata on, feeding by
4113

Trioza apicalis on, in Czechoslovakia
7371

Carrot fields, aphids in, in France 7156

Carrot motley dwarf virus, in, *Cavariella aegopodii*, transmission of 876

- Carrot powder**, diet component for, *Dacus zonatus* 1785
- Carrot (stored roots)**, *Lasioderma serricorne* in, development of 4096
- Carrot yellows** (see Aster yellows)
- Cartap** (*S,S*-[2-(dimethylamino)-1,3-propanediyl] dicarbamothioate) against
Aphis fabae 1663
Bothynoderes punctiventris, on beet 7365
Chilo suppressalis 1657
 on rice 4271
Cnaphalocrocis medinalis, on rice- 716
Eupterote canaraica, on coffee 3020
Hylobius pales 1664
Leptinotarsa decemlineata, on potato 881, 1468
Lobesia botrana, on grapevine 6713
Macrosiphum avenae, on oats 2256
Mamestra brassicae, on sugar-beet 4960
Meligethes aeneus, on rape 1663
Nephotettix cincticeps 1657
Oulema melanopus, on oats 2256
 pests of rice 3598
Psolidium maxillosum, on beet 7365
 stem borers, on rice 716
Tetranychus urticae 1663
 in *Conocephalus maculatus*, toxicity of 1657
 in *Lycosa pseudoannulata*, toxicity of 1657
 in *Nephotettix cincticeps*, effects on probing frequency of 4271
 in rice, effects on growth of 5517
- Carthamus tinctorius** (see Safflower)
- Cartodere constricta**
 in Canada 1551
 in stored grain, in Canada 1551
 traps for 1551
- Carulaspis juniperi**
 in USSR 6808
 on conifers, in Caucasus 6808
- Carum carvi** (see Caraway)
- carvalhoi**, *Margarodes*
- Carya**
Ennomos subsignarius on, development of 5307
 Scolytidae on, in Missouri 5672
- Carya glabra**
Ennomos subsignarius on 4094
 fatty acids in, seasonal changes in 5307
 sterols in, seasonal changes in 5307
- Carya illinoensis** (see Pecan)
- Carya tomentosa**, *Ennomos subsignarius* on 4094
- caryae**, *Curculio*
- caryae**, *Halisidota*
- caryana**, *Cydia*, (*Laspeyresia*)
- Caryedes**
 on Phaseolaceae, in Central America 1729
 taxonomy of 1729
- Caryedon serratus**
 behaviour in, effects of light on 3782
 control of 6282
 insecticides for 6234
 food-plants of 6282
 in Gambia 6282
 in Senegal 6234
 in stored groundnuts
 in Gambia 6282
 in Senegal 6234
 microwave avoidance in 6501
- Caryophyllaceae**
Brachycaudus spp. on 6453
Pemphigus spp. on, in Ukraine 5341
- Caryopteris divaricata**, antifeedant activity of extracts of 3347
- Carzol** (see Formetanate)
- casei**, *Piophil*a
- Casein hydrolysate**
 culture-medium component for
Beauveria bassiana 2217
Metarhizium anisopliae 2217
 diet component for
Myzus persicae 1836
Semiadalia undecimnotata 2570, 5391
- Caseins**
 binding of triphenyltin to 2399
 diet component for
Aegeria pictipes 1845
Anadevidia peponis 1832
Chilo suppressalis 134
Coptotermes formosanus 2426
Cydia pomonella 3254
Diparopsis castanea 1840
Eurygaster integriceps 5388
Galleria mellonella 7067
Heliothis zea 1227, 3408
Hydraecia micacea 1238
Hyphantria cunea 1242
Metasyrphus corollae 1121
Oryzaephilus mercator 2418
Pectinophora gossypiella 3491
Prionoxystus robiniae 3500
Reticulitermes flavipes 2426
Sitophilus oryzae 1757
Spodoptera exigua 5923
S. littoralis 668
 Syrphidae 1121
Tenebrio molitor 2422
 in *Coptotermes formosanus*, toxicity of 2426
 in *Corcyra cephalonica* diet, effects on fumigant susceptibility of 1668
 in *Reticulitermes flavipes*, toxicity of 2426
 in wool textiles, effects on insect feeding of 6277

Cashew (*Anacardium occidentale*)

- Aceria rossettonis* on 2325
Aleurodicus cocois on, in Brazil 2005
Amsacta lactinea on, in Karnataka 3618
Anarsia epotias on, in India 151
Cerodirphia rubripes on, in Brazil 5243
Cicinnus callipus on, in Brazil 4892, 5243
Eacles magnifica on
 damage caused by 4891
 in Brazil 4891, 5243
Eriophyes rossettonis on 399
Helopeltis antonii on
 damage caused by 7298
 in India 7298
Marshallius spp. on
 damage caused by 2004
 in Brazil 2004
Mesalox abathus on 2325
Metanastria hyrtaca on, in Kerala 2010
Monopis leuconeurella on, in India 151
Mycetaspis bezerrai on
 damage caused by 1719
 in Brazil 1719
Pingasa ruginaria on, in Karnataka 3618
Plocaederus ferrugineus on, in Tamil Nadu 150
Popillia complanata on, in Karnataka 3618
Rhynacus globosus on 2325
Selenothrips rubrocinctus on
 distribution pattern of 6717
 effects on amino acids of 2676
 in Brazil 6717
 in Kerala 2676
Sibine nesca on, in Brazil 3696
Stiphra robusta on, in Brazil 4893
Cashew (stored nuts), *Oryzaephilus mercator*
 in, development of 4100
Casiniaria infesta, microorganisms in 4463
Casitone (see Peptones)
Casnoidea, preying on, *Scotinophara coarctata*, in Malaya 4853
Cassava (*Manihot esculenta*)
Corynothrips stenopterus on, in Peru 1245
Cylas formicarius on, development of 6788
Erinnyis ello on
 in Brazil 4807
 in Colombia 3540
Euproctis fraterna on, in Tamil Nadu 1847
Hecyra obscurator on, in Central African Republic 2076
juvenile-hormone activity of extracts of 4064
Spodoptera exempta on, feeding by 5904
Tetranychus urticae on
 in Kerala 2970
 resistance to 2970

Cassava contd.

- Zonocerus variegatus* on
 damage caused by 6605
 in Nigeria 6605
Cassava products, diet component for, *Tribolium confusum* 5246
Cassia artemisoides, *Aspidiotus nerii* on, in Egypt 3724
Cassia fistula
Indarbela spp. on, in Haryana 2867
Oxyrhachis tarandus on, in Uttar Pradesh 6436
Trachylepidia fructicassiaella on, in Pakistan 1893
Cassia occidentalis
 soy bean mosaic virus in, symptoms of 864
 Vigna hosei mosaic virus in, infectivity of 1327
Cassia tora, tobacco etch virus in, in Venezuela 1573
Cassida algirica
 biology of 1437
 in Italy 1437
 on *Cynara cardunculus*, in Italy 1437
 on globe artichoke, in Italy 1437
Cassida deflorata
 in Italy 1437
 on Carduaceae, in Italy 1437
 on globe artichoke, in Italy 1437
Cassida indicola
 in Pakistan 2346
 on *Convolvulus*, in Pakistan 2346
 parasitised by, *Paracentrobia cassidavora*, in Pakistan 2346
Cassida nebulosa
 biology of 7368
 control of
 insecticides for 7368
 weed control for 7368
 descriptions of 7368
 in Bulgaria 7368
 on sugar-cane, in Bulgaria 7368
Cassida nobilis
 biology of 7368
 control of
 insecticides for 7368
 weed control for 7368
 descriptions of 7368
 in Bulgaria 7368
 on sugar-cane, in Bulgaria 7368
Cassida rubiginosa
 in Italy 1437
 on Carduaceae, in Italy 1437
 on globe artichoke, in Italy 1437
cassidavora*, *Paracentrobia
Cassididae, on grasses, damage caused by 1930
cassinii*, *Magiicada
casta*, *Calophasia

Castanea

- Aphrodisium thomsoni* on, in Taiwan 4305
- Apriona germari* on, in Taiwan 4305
- Palimna palimnoides* on, in Taiwan 4305
- castanea, Crematogaster**
- Castanea crenata**
- Dryocosmus kuriphilus* on, resistance to 5549
- Quadraspidiotus macroporatus* on, in Japan 785
- castanea, Diparopsis**
- castanea, Maladera**
- Castanea mollissima**
- Curculio sayi* on
- damage caused by 4896
- in Georgia (USA) 4896
- Dryocosmus kuriphilus* on
- damage caused by 5549
- in Georgia (USA) 2860, 5549
- Castanea pumila, Acantholyda floridanus** on, in Florida 3760
- Castanea sativa**
- aphids on 2006
- Curculio elephas* on
- in Switzerland 7299
- in Yugoslavia 5121
- Cydia splendana* on, in Switzerland 7299
- Euproctis chrysorrhoea* on
- development of 3067
- not able to develop 924
- Lachnus castaneae* on, in Italy 2006
- Myzocallis castanicola* on, in Italy 2006
- Pammene fasciana* on, in Switzerland 7299
- pest control on 7299
- castaneae, Lachnus**
- castaneum, Tribolium**
- castanicola, Myzocallis**
- Castanopsis, Platypus beaveri** on, in Thailand 7029
- castellanii, Tyrophagus** (see *T. putrescentiae*)
- Castnia dedalus** (see *Lapaeumides*)
- Castnia licus**
- control of, integrated 4824
- in Brazil 4824
- in Surinam 310
- on banana, in Surinam 310
- on sugar-cane, in Brazil 4824
- Castor** (see *Ricinus communis*)
- Castor oil**, for clearing *Eurygaster integriceps* eggs for parasite detection 4812
- Castor, wild** (see *Chrozophora rottleri*)
- Casuarina equisetifolia, Nipaeococcus** spp. on, in India 2337
- Cat** (*Felis domesticus*)
- paraoxon in, metabolism of 3330
- parathion in, metabolism of 3330
- Spilostethus pandurus* defensive secretion repellent to 5874

Cat food, Trogoderma simplex in, development of 2378

catalaunalis, Antigastra

Catantopidae, taxonomy of 1732

Catantops haemorrhoidalis

in Nigeria 5423

on millet, in Nigeria 5423

Catantops stylifer

in Nigeria 5423

on millet, in Nigeria 5423

Cataphrodisium rubripenne

control of

crop management for 4318

insecticides for 4318

in Taiwan 4318

on loquat 4318

on pear, in Taiwan 4318

Catapion 1090**Catechol** (see 1,2-Benzenediol)

Catecholamines, in *Diparopsis castanea*, effects of chemosterilants on 4688

Catephia leucomelas (see *Aedia*)**Catfish, channel** (see *Ictalurus punctatus*)

Catfish, white, mirex in, residues of 2300

Cathartus quadricollis

descriptions of 2173

illustrations of 2173

in Brazil 2173

in stored maize

imported into Italy 2173

in Brazil 2173

Catocala nymphagoga

in Italy 919

on *Quercus suber*, in Italy 919

population dynamics of 919

Catochrysops strabo

biology of 2061

control of, insecticides for 4955

descriptions of 2061

in India 2061, 4955

on *Cajanus cajan*, in Maharashtra 2061, 4955

Catolaccus aeneoviridis

hyperparasitising

Heliothis virescens 482

H. zea 482

Nosema campoletidis in, infectivity of 482

parasitising, *Campoletis sonorensis* 482

Catostomus syncheilus, DDE in, residues of 6409

Cattle (*Bos taurus*)

aldrin in

residues of, effects of diet on 3295

toxicity of 2306

amiton analogues in, acetylcholinesterase inhibition by 5889

Bay-NTN 9306 in, metabolism of 6407

BHC in, toxicity of 2306

γ -BHC in, residues of 5200

DDD in, metabolism of 4571

DDT in, residues of 5200

Cattle contd.

- diazinon in, metabolism of 5202
- dieldrin in
 - residues of 1689, 5200
 - effects of diet on 3295
- paraoxon in, metabolism of 3330
- parathion in, metabolism of 3330

Cattle dung

- diet component for, *Oryctes rhinoceros* 5929
- flies in, dung beetles for control of 557
- Onthophagus nuchicornis* in, burying activity of 4285
- role of dung beetles in decay of 5525

Cattle-dung ash, against, *Sitophilus oryzae* 1553**Cattle feed**

- ammonium salts in, not affecting accumulation of insecticides 5200
- bait component for, *Plathypena scabra* 2923
- chlorypyrifos in, residues in milk from 6985
- DDT in, residues of 5210

Cattle-feed factories, arthropods in, in Yugoslavia 6853**Cattle serum, fetal, culture-medium component for, *Acyrtosiphon pisum* symbionts 132****Cattle sheds, *Achaearanea tepidariorum* in, in Nagasaki Prefecture 2718*****caudata*, *Phryxe******caudatus*, *Ephialtes******caudatus*, *Euderus******caudatus*, *Lathrolestes******caudatus*, *Microctonus******caudatus*, *Triaspis******caudiglans*, *Typhlodromus******caudispina*, *Tipula*****Cauliflower and broccoli (*Brassica oleracea* var. *botrytis*)**

- acephate in, residues of 2657
- Acyrtosiphon pisum* on, feeding by 5342
- Anthomyiidae on, in Switzerland 5592
- Aphis fabae* on, feeding by 5342
- A. gossypii* on, feeding by 5342
- Apis mellifera* on, protection from pesticides of 761
- arthropod pests of, in UK 545
- Bagrada hilaris* on, in Delhi 7339
- Brevicoryne brassicae* on
 - in Delhi 7339
 - in UK 2043
- Ceutorhynchus quadridens* on
 - damage caused by 6149
 - effects of plant density on 6149
- Contarinia nasturtii* on
 - damage caused by 2662
 - in Belgium 2662
- Delia brassicae* on
 - effects of plant density on 6149

Cauliflower and broccoli contd.***Delia brassicae* on contd.**

- in England 5598
- in Northern Ireland 4333, 5978
- demephion in, residues of 5805
- Diacrisia obliqua* on 2045
- dimethoate in, residues of 5805, 7339
- green petal disease
 - causal agent in
 - Cicadellid transmission of 5719

***Hylemya brassicae* on**

- in Belgium 4066, 5296
- in British Columbia 3327
- in England 3327, 3947
- in Sweden 3307

H. floralis* on, in Sweden 3307*insect pests of, in Quebec 5475****leptophos in, residues of 1658*****Lipaphis erysimi* on, in Delhi 7339*****Macrosiphum euphorbiae* on, feeding by 5342*****Mamestra brassicae* on, in Norway 7342*****Megoura viciae* on, feeding by 5342****methamidophos in, residues of 2657*****Myzus persicae* on, feeding by 5342****organic phosphates in, residues of 3307****pest control on****in UK 3272****in Wisconsin 349****pests of****in North Carolina 2915****in Poland 6761*****Pieris rapae* on****in New York 3654****in New Zealand 3649****in Nova Scotia 350****resistance to 3654*****Plutella xylostella* on****in Haryana 2044****in New Zealand 3650****in Pakistan 2038****quinalphos in, residues of 1042*****Spodoptera litura* on 1112****in Uttar Pradesh 2045*****Trichoplusia ni* on****in New York 3654****resistance to 3654****turnip mosaic virus in, not infective 5725****Cauliflower mosaic virus, in, *Brevicoryne brassicae*, transmission of 2043*****Caulophyllum thalictroides*, *Epilachna vigintioctomaculata* on, in Nagano Prefecture 1080*****cautella*, *Ephestia*****(*Cadra*)*****Cavariella*****parasitised by, *Trioxys heraclei*, in Italy 6624****sexual forms of 711****traps for 711**

Cavariella aegopodii

- biology of 876
- carrot motley dwarf virus in, transmission of 876
- control of, insecticides for 876
- food-plants of 876
- hyperparasites of, in New Zealand 1895
- in France 7156
- in New Zealand 1895
- in UK 876, 5978
- on carrot
 - diseases transmitted by 7369
 - in France 7156
 - in Northern Ireland 5978
- traps for, evaluation of catches in 7156

Cavariella aquatica

- in India 7135
- on *Salix*, in Himachal Pradesh 7135

Caves, *Achaearanea tepidarium* in, in Nagasaki Prefecture 2718***Cavia cobaya* (see Guinea-pig)*****cavus, Dibrachys******cazieri, Epicauta*****CCA (see Arsenic acid (H_3AsO_4), copper(2+) salt (2:3), with chromic acid ($H_2Cr_2O_7$) disodium salt)****CCC (see Chlormequat, chloride)****Cebicid, against, *Aeneolamia varia* 1365*****Cechenotettix martini* (see *C. quadrinotatus*)*****Cechenotettix quadrinotatus***

- biology of 217
- in France 217
- lavender yellows, causal agent in, transmission of 217
- on *Lavandula hybrida*, in France 217

Cecidomyiidae

- control of, insecticides for 1986
- evolution of 6593
- food-plants of 4140
- in Czechoslovakia 4140, 7139
- in Nearctic region 5994
- nutritive cells of 7112
- on *Chionochloa*
 - damage caused by 1974
 - in New Zealand 1974
- on lucerne, in Bulgaria 1986
- on *Madhuca longifolia*
 - galls of 7386
 - in India 7386
- on *Pinus*, in Florida 5669
- preyed on by, Syrphidae, in Kenya 1897
- preying on, *Heteropeza pygmaea*, in Taiwan 809
- taxonomy of 5994

Cecidomyiidi, taxonomy of 1104***Cecidophyes naulti***

- sp. n., description of 3985
- in USA 3985
- on *Acer rubrum*, in Ohio 3985

Cecidophyes vermiformis* (see *Cecidophyopsis*)**Cecidophyopsis ribis***

- biology of 1395
- control of
 - acaricides for 1395, 1397–1398, 1997
 - crop management for 1398
- currant reversion virus in
 - in England 1997
 - transmission of 1395, 1398, 1997
- descriptions of 1398
- in Bulgaria 1395
- in East Germany 1398
- in Poland 1397
- in UK 1997
- on black currant
 - damage caused by 1395
 - in Bulgaria 1395
 - in East Germany 1398
 - in England 1997
 - in Poland 1397
- on red currant, in East Germany 1398
- on white currant, in East Germany 1398

Cecidophyopsis vermiformis

- in USSR 6096

- on hazel, in USSR 6096

Cecidostiba dendroctoni

- in USA 3746

parasitising

- Conophthorus banksianae*, in Michigan 3746

- Scolytidae, in Michigan 3746

Cecropia C₁₈ hormone (synthetic)* (see 2,6-Nonadienoic acid, 7-ethyl-9-(3-ethyl-3-methyloxiranyl)-3-methyl-, methyl ester)**cecropia, Hyalophora*****Cedar (see *Cedrus*)****Cedar, Australian (see *Toona ciliata*)****Cedar, Japanese (see *Cryptomeria japonica*)****Cedar of Lebanon (see *Cedrus libani*)****Cedar, red (see *Juniperus virginiana*)*****cedaranus, lassomorphus******Cedrela***

- Hypsipyla grandella* on, in Costa Rica 4072

- Phyllocnistis meliacella* on, in Costa Rica 3076

Cedrela odorata

- Hypsipyla grandella* on 3077

- in Puerto Rico 2143

- Sematoneura grijpmai* on, in Costa Rica 3076

cedri, Cinara***cedricola, Parasyndemis******Cedrobium laportei***

- in Italy 3727

- on *Cedrus*, in Italy 3727

- taxonomy of, characters distinguishing *Cinara cedri* and 3727

Cedrus

- Cedrobium laportei* on, in Italy 3727

- Parasyndemis cedricola* on, in Lebanon 1100

Cedrus atlantica

- Cinara cedri* on
in Italy 3727
in Morocco 3727

Cedrus deodara

- Cinara cedri* on, in Italy 3727
Coptotermes heimi on, resistance to
3561

Cedrus libani

- Cinara cedri* on, in Turkey 3727
Ernobiis anatolicus on, in Turkey 5223

Celathion (see Chlorthiophos)***celebensis*, *Salina******Celerio euphorbiae***

- enzymes in, effects of hormones on 1771
RNA synthesis in, effects of hormones on
1771

Celerio gallii* (see Hyles)**celerio*, *Hippotion******Celerio livornica* (see Hyles lineata livornica)*****Celery (Apium graveolens)***

- aphids on, in New York 4558
Caviariella aegopodii on, in UK 876
celery mosaic virus in, in Belgium 4511
celery (western) mosaic virus in,
infectivity of 3113
cucumber mosaic virus in, aphid
transmission of 5069
leafhoppers on, in Poland 5590
leptophos in, residues of 1658
Liriomyza trifolii on, in Florida
4922-4924

- Loxostege* spp. on, in North America
7032

- Lygus lineolaris* on, in Quebec 7334,
7527

- peach western X-disease
causal agent in
extraction of 2185
isolation of 3123

- pest control on
biological 6354
in UK 3272

- Spodoptera exigua* on, in Florida 4923

Celery mosaic virus

- in
aphids, transmission of 4511
celery, in Belgium 4511

Celery (western) mosaic virus

- aphid vectors of 3113
hosts of 3113

Celite (see Kieselguhr)**Cell lines**

- Aedes aegypti*, iridescent viruses in 953
Agallia constricta, culture of 121
Antheraea eucalypti, culture media for
38
A. pernyi, iridescent viruses in 953
Bombyx mori spermatocysts, effects of JH
on 5304

Cell lines contd.

- Chilo suppressalis*, iridescent viruses in,
replication of 3827
Colladonus montanus, culture of 3496
Galleria mellonella 3126
Lepidoptera, media for 3817
Malacosoma disstria, *Nosema disstriae* in,
persistence of 6891
Mamestra brassicae testes, effects of
ecdysones on 5305
Papilio xuthus, culture of 5922
Spodoptera litura testes, effects of
ecdysones on 5305
Trichoplusia ni
culture of viruses in 960
nuclear polyhedrosis virus in
infectivity of 6333
replication of 4467
culture media for 1831
Cellobiase (see Glucosidase, β -)
Cellophane, in packaging materials, insect
susceptibility of 3261

Cellulase

- in Acridid guts 5866
in *Chilo partellus* gut, not found 581
in *Locusta migratoria* gut 739

Cellulose

- diet component for
Anadevidia peponis 1832
Chilo suppressalis 134
Coptotermes formosanus 2426
Costelytra zealandica 1713
Cydia pomonella 3254
Dacus oleae 5136
Diparopsis castanea 1840
Hydraecia micacea 1238
Hyphantria cunea 1242
Pectinophora gossypiella 3491
Prionoxystus robiniae 3500
Prionus imbricornis 2425
Reticulitermes flavipes 2426
Spodoptera exigua 5923
S. littoralis 668
in *Costelytra zealandica* diet, not utilised
2828
in *Diprion similis* food and feces, for
determining food consumption and
digestibility 7424

Celphos (see Phosphine [from aluminum phosphide])***Celtis*, *Coccus pseudomagnoliarum* on 4328*****celtis*, *Asterocampa******Celtis laevigata*, *Asterocampa celtis* on, in Mississippi 3036*****Celtis occidentalis*, *Tegolophus ringsi* on, in Ohio 3985****Cement dust**, against, flea-beetles, on
cabbage 7340***Cemiostoma scitella* (see Leucoptera)**

Cenchrus ciliaris

- Aeneolamia contigua* on
damage caused by 1363
- in Mexico 1363

Gurawa spp. on, in Rajasthan 6595

Cenopalpus, on fruit trees, in Iran 6547

Cenopalpus lanceolatisetae

- control of, acaricides for 3620
- in Egypt 3620
- on apricot, in Egypt 3620
- on pear, in Egypt 3620
- on quince, in Egypt 3620

Cenopalpus musai

- sp. nov., description of 7011
- in Cyprus 7011
- in Lebanon 7011
- in Syria 7011
- natural enemies of 7011
- on *Rubus*, in Lebanon 7011

Cenopalpus pulcher

- biology of 3442
- control of, acaricides for 3620
- descriptions of 3442
- food-plants of 6102
- in Egypt 3442, 3620
- in USSR 6102
- on apple, in Egypt 3442
- on apricot, in Egypt 3620
- on pear, in Egypt 3620
- on quince, in Egypt 3442, 3620

Cenopalpus spinosus

- descriptions of 7011
- distribution of 7011
- taxonomy of, characters distinguishing *C. musai* and 7011

Centaurea, *Metzneria paucipunctella* on, and
biological control using 2327

Centaurea diffusa, *Sphenoptera jugoslavica*
on, and biological control using, in
Canada 6029

Centaurea jacea

Haplothrips acanthoscelis on, in Bulgaria
1333

H. reuteri on, in Bulgaria 1333

Taeniothrips atratus on, in Bulgaria
1333

Thrips flavus on, in Bulgaria 1333

T. physapus on, in Bulgaria 1333

Centaurea repens, carbaryl on, persistence of
3319

Centipede (see Chilopoda)

Central African Republic

aphids in, on cotton 3806

Hecyra obscurator in, on cassava 2076

centralis*, *Ammophila

Centranthus ruber, *Agapanthia violacea* on,
in Italy 1979

centrella*, *Diatraea

Centrococcus insolitus (see *Coccidohystrix insolita*)

Centrodora

distribution of 1306

***Centrodora* contd.**

hosts of 1306

Centrodora locustarum (see *C. speciosissima*)

Centrodora speciosissima

in Taiwan 2802

parasitising, *Oxya intricata*, in Taiwan
2802

centrolineata*, *Getronella***cepaе*, *Liriomyza******cepaе*, *Phytobia******Cephalcia abietis***

control of, insecticides for 2296

in Austria 2296

on *Picea*, in Austria 2296

Cephaloglypta murinanae

in Japan 1094

parasitised by, *Scambus coniferae*, in
Japan 1094

Cephaloidea, in Japan 7021

Cephaloleia

control of, insecticides for 7289

on oil palm, in Colombia 7289

Cephaloleia vagelineata* 7289**cephalonica*, *Corcyra***

Cephalonoplos setosum, *Epilachna pustulosa*
on, in Japan 1079

Cephalosporium, in, *Cydia pomonella*, in
USSR 7483

Cephalosporium lecanii (see *Verticillium*)

cephalotes*, *Atta

Cephalothrips, in Crimea 1

Cephidae, keys to 426

Cephonodes hylas

colour changes in, hormonal control of
4672

JH mimics in, effects on development of
4673

larval coloration in, effects of crowding on
81

Cephus cinctus

in Canada 277

migration in, factors affecting 277

on wheat, in Alberta 277

Ceraecocercus fuscipennis, in USSR 735

Cerambycidae

on *Juniperus virginiana* 3037

on *Quercus*, in Mississippi 7410

on trees, in Poland 5662

parasites of 2493

parasitised by, *Sclerodermus domesticus*
3105

Cerambyx cerdo

in Poland 5662

on *Quercus robur*, in Poland 5662

Cerambyx dux

in Jordan 6097

in Lebanon 6097

in Syria 6097

on almond 6097

***ceramicus*, *Xyleutes*, (*Duomitus*)**

Ceramidia, taxonomy of 2350

Ceramidia butleri

taxonomy of

Antichloris viridis misidentified as

2350

synonym of *Antichloris caca* 2350***Ceramidia viridis***, taxonomy of, transferred to *Antichloris* 2350***Ceramidiodes***, taxonomy of 2350***cerana*, *Apis******Ceraninus menes***

in USSR 6157

parasitising, *Kakothrips pisivorus*, in Mordovian Republic 6157***Cerapachyini***, taxonomy of 4608***Ceraphronidae***, parasitising, *Acyrtosiphon pisum*, in Poland 2838***Cerapteryx graminis***

biology of 5522

descriptions of 5522

in USSR 5522

on grasses

damage caused by 5522

in USSR 5522

parasitised by

Amblyteles culpatorius, in USSR 5522*Arenetra pilosella*, in USSR 5522***cerasana*, *Pandemis******cerasi*, *Caliroa******cerasi*, *Monoctonus******cerasi*, *Rhagoletis******cerasicola*, *Ephedrus******cerasivoranus*, *Archips******Cerataphis variabilis***

control of, insecticides for 2844

in USA 2844

on coconut, in Florida 2844

preyed on by

Cycloneda sanguinea, in Florida 2844*Hippodamia convergens*, in Florida 2844*Olla abdominalis*, in Florida 2844***Ceratina***, taxonomy of, charactersdistinguishing *Xylocopa* and 6869***Ceratitis anonae***

in Uganda 1496

on coffee, in Uganda 1496

Ceratitis capitata

aerial distribution of sterilised adults of 493

 γ -BHC resistance in, in Egypt 1040

biology of 3214, 3217, 4143

control of 6350

attractants for 2411

bait sprays for 494, 3222, 4149

baits for 3971

genetic 5113

insecticides for 1038, 1647, 3941, 4144, 6746

 γ -irradiation for 5953, 6740***Ceratitis capitata* contd.**

control of contd.

sterile-insect release for 130, 492-493,

673, 1647, 3213-3214, 3217, 3222,

3871, 3971, 4149, 5115, 5126-5127,

5130-5133, 7544

traps for 2568, 3871, 5131

descriptions of 2358, 4143

dimethoate susceptibility in, in Egypt 1040

embryonic development in, effects of sodium chloride on 2358

farnesane derivatives in, growth-regulator activity of 6938-6939

fenthion susceptibility in, in Egypt 1040

flight activity in 4699

hydroprene in, effects of 3264

illustrations of 4143

in Costa Rica 5127

in Cyprus 3214, 3971, 6740

in Egypt 1040, 1647

in Israel 3222, 5133

in Italy 130, 3214, 3437, 3871, 5131, 6746

in Kenya 905

in Peru 673, 3215, 7544

in Spain 3214, 3217, 5115, 5132

in Tunisia 143, 492-494, 5127

in Uganda 1496

in USA 2561, 4143-4149

accidental introductions of 2411

in USA (Hawaii) 2568, 3506, 5130

in orchards, assessing infestations of 3215

inseminating ability in, effects of rearing on 4114

JH mimics in, effects on morphology of 1709

jumping activity in, circadian rhythm of 637

lipids in

biosynthesis of 1067

glycosylation of 6471

mating competitiveness in

effects of fast neutrons on 3872

effects of γ -irradiation on 611, 3216, 3230, 3872

evaluation of 130

mating in 97

migration in 6740

on apricot, in Tunisia 492

on *Citrus*

in California 4143-4144

in Florida 4143

in Israel 5133

in Italy 6746

in Texas 4143

in Tunisia 494

on coffee

damage caused by 905

in Kenya 905

in Uganda 1496

Subject Index

Ceratitis capitata contd.

- on fig, in Tunisia 492, 494
- on grapefruit, imported into Austria 6588
- on loquat, in Tunisia 492
- on orange, in Italy 5131
- on peach
 - in California 4145
 - in Egypt 1647
 - in Spain 5115
 - in Tunisia 492
- on pear, in Tunisia 494
- on plum, in Tunisia 494
- on sour orange
 - in Cyprus 3971
 - in Italy 3871
- phospholipids in, biosynthesis of 1066
- population dynamics of 97
- pupation in 637
 - effects of soil on 6464
- rearing of
 - diets for 3231
 - techniques for 673, 5131-5132, 6568
- reproduction in, effects of laboratory rearing on 3475
- reproductive organs in, effects of tepa on 3238
- research on 4743
- seasonal abundance of 905
- sex pheromone of 1140
- sex ratio in 97
- sterilisation of
 - chemosterilants for 3437
 - fast neutrons for 3872
 - γ -irradiation for 130, 492, 611, 673, 1647, 1787, 3216, 3230, 3872
- taxonomy of
 - characters distinguishing *Dacus oleae* and 4001
 - characters distinguishing *Rhagoletis cerasi* and 4001
- testes in, effects of γ -irradiation on 4082
- thiotepa in, effects of 3437
- traps for 143, 1181, 1647, 2411, 2561, 3506, 4144-4145, 4149

Ceratitis coffeae

- in Kenya 905
- in Uganda 1496
- on coffee
 - in Kenya 905
 - in Uganda 1496
- parasitised by
 - Biosteres* spp., in Uganda 1496
 - Opius cosyrae*, in Uganda 1496
 - Psilus* spp., in Uganda 1496
 - Staphylinidae, in Uganda 1496
 - Syntomosphyrum* spp., in Uganda 1496
 - Tetrastichus giffardii*, in Uganda 1496
- seasonal abundance of 905

Ceratitis colae

- biology of 2003
- control of 2003

Ceratitis colae contd.

- in Nigeria 2003
- on *Cola*, in West Africa 4245
- on *Cola nitida*, in Nigeria 2003

Ceratitis rosa

- in Kenya 905
- in Uganda 1496
- on coffee
 - in Kenya 905
 - in Uganda 1496
- seasonal abundance of 905

Ceratocystis ulmi (see also Dutch elm disease)

- control of 4423, 6218
- in

Hylurgopinus rufipes

- in USA 3736
- transmission of 3737, 5002, 6218

Scolytus multistriatus

- in USA 3736
- transmission of 3737, 4632, 5002, 5038, 6218

S. scolytus, transmission of 3737

Ulmus spp.

- in Canada 3752
- in Denmark, not found 5400
- in England 4423
- in Michigan 5002
- in USA 6218
- scolytid transmission of 5695
- symptoms of 6218

U. americana

- in Ohio 4392
- in USA 4632

Ceratomegilla maculata

- defensive secretion in 6483
- in USA 365, 5471
- in soy-bean fields, in South Carolina 365
- parasitised by, *Perilitus coccinellae*, in New York 5471
- preying on
 - aphids, and biological control using, in UK 798
- Hyphantria cunea*, and biological control using, in Yugoslavia 6546
- relation to cocoon of *Perilitus coccinellae* 5470-5471
- seasonal abundance of 365

Ceratomegilla maculata lengi

- in Canada 3590
- preying on, *Rhopalosiphum maidis*, in Canada 3590

Ceratonina siliqua (see Carob)

ceratoninae, *Ectomeloidei*

(*Spectrobates*)

Ceratopogonidae

- biology of 402
- on cacao
 - as pollinator 402
 - in Ghana 402

cercealium, *Microctonus* (see *M. secalis*)

Cercis occidentalis

- Bacillus thuringiensis* on
persistence of 2209-2210
- persistence of spores of 470
- Schizura concinna* on 7484
- in California 1320

Cercobin (see Thiophanate)**Cercobin M** (see Thiophanate-methyl)***Cerconota anonella***

- control of, insecticides for 4997
- in Surinam 4997
- on *Annona muricata*
damage caused by 4997
- in Surinam 4997

Cercopidae

- excreta in 4678
- ionic balance in 4678

cerdo, *Cerambyx***Cereal products**, pest control in, food

- additives for 6248

Cereal tillering disease

- causal agent
- hosts of 3803
- vectors of 3803

cerealella, *Sitotroga***cerealis, *Loxostege******Ceresa bubalus***

- biology of 1383-1384
- descriptions of 1383
- dispersal in 1822
- in Czechoslovakia 4152
- in Italy 1383-1384
- in West Germany 1822
- on grapevine, damage caused by 7481
- on hazel, in Italy 1383-1384
- on lucerne
- in Italy 1384
- in West Germany 1822
- on *Ocimum basilicum*, in Italy 1383
- on peach, in Italy 1383
- on *Salix*, in Czechoslovakia 4152
- on *Solidago*, in Czechoslovakia 4152
- on *Solidago canadensis*, in West Germany 1822
- on *Solidago gigantea*, in West Germany 1822
- on sunflower, in Italy 1383
- on *Trifolium pratense*, in Italy 1384
- parasitised by, *Polynema striaticorne*, and
biological control using, in Italy 1384

ceriferus, *Ceroplastes****Cerococcus hibisci***

- in India 3732
- on *Hibiscus rosa-sinensis*, in Andhra
Pradesh 3732
- parasitised by, *Anysis* spp., in Andhra
Pradesh 3732

Cerodirphia rubripes

- descriptions of 5243
- in Brazil 5243
- on cashew, in Brazil 5243

Ceroglossus valdiviae

- in Argentina 774
- preying on, Scarabaeoidea, in Argentina 774

ceroplastae, *Microterys****Ceroplastes***

- on coffee, in Kenya 3991
- parasitised by, *Microterys ceroplastae*, in
Kenya 3991

Ceroplastes brevicauda (see *Gascardia*)***Ceroplastes ceriferus***

- in Australia 5917
- parasitised by, *Microterys australicus*, in
Queensland 5917

Ceroplastes destructor (see *Gascardia*)***Ceroplastes floridensis***

- control of, insecticides for 334-335
- in Egypt 334-335
- on *Citrus*, in Egypt 334-335
- preyed on by, *Cybocephalus micans* 2721

Ceroplastes rubens

- biology of 333
- control of, insecticides for 333
- in Australia 333
- on *Citrus*, in Queensland 333
- parasitised by
Aspidiotiphagus australiensis, in
Queensland 333
- Metaphycus* spp., in Queensland 333
- preyed on by
Chrysopa signata, in Queensland 333
- Rhizobius ventralis*, in Queensland 333
- Scymnus* spp., in Queensland 333

Ceroplastes rusci

- in France 2722
- on *Arbutus*, in France 2722
- on fig, in France 2722
- on myrtle, in France 2722
- preyed on by, *Eublemma scitula*, in
France 2722

Ceroplastes sinensis

- in France 2722
- on *Citrus*, in France 2722
- preyed on by, *Eublemma scitula*, in
France 2722

Ceroplastodes, taxonomy of 3992**ceroplastodis, *Krishnieriella*** (see *Anicetus ceylonensis*)**ceroplastophilus, *Tetrastichus******Cerotoma fascialis***

- food preferences of 5983
- in Colombia 5983
- phenotypic variation in 5983

Cerotoma trifurcata

- biology of 7357
- control of
crop management for 7357
- insecticides for 4341
- in USA 2935, 4341, 7357
- on lucerne, in Illinois 7357

***Cerotoma trifurcata* contd.**

- on soy bean
 - assessing infestations of 2935
 - distribution pattern of 2941
 - in Illinois 7357
 - in Mississippi 4341
 - in South Carolina 2935

certus*, *Myzus***Cerura vinula***

- growth regulators in, effects of 3420
- peptides in 4681

Cervaphis quercus

- in South Korea 1879
- seasonal abundance of 1879
- traps for 1879

cervinata*, *Wiseana***cervinus*, *Pantomorus******Cerylon histeroides***

- in USSR 6627
- preying on, bark beetles, in USSR 6627

Cesium, radioactive (^{134}Cs), *Conomyrma* spp.

- labelled with 3534

Cestoda*, *Hymenolepis nana* 6305**Cetema elongata***

- in UK 4288
- in West Germany 1611
- in grassland, in Northern Ireland 4288
- on wheat, in West Germany 1611

Cetema transversa

- in West Germany 1611
- on wheat, in West Germany 1611

Cetonia aurata*, *Melolontha melolontha

- lethargy disease agent in, no effects from 6880

Cetoniidae

- on *Protea barbigera*
 - damage caused by 1500
 - in South Africa 1500

Ceuthophilus conicaudus*, activity recorder for 3483**Ceuthorhynchidius horridus***

- biology of 2377
- on *Carduus*, and biological control using, in Virginia 2377
- oviposition in, effects of photoperiod on 3444

Ceuthorhynchus

- biology of 5938
- in Poland 2677
- on Cruciferae, in Poland 2745
- on crucifers
 - damage caused by 6928
 - in Poland 6928
- on protea
 - damage caused by 5938
 - in South Africa 5938
- overwintering in 2677

Ceuthorhynchus asperulus

- biology of 3676
- in India 3676
- on *Amaranthus*, in Karnataka 3676
- on *Cajanus cajan*, in Karnataka 3676

Ceutorhynchus assimilis

- biology of 1479
- control of, insecticides for 1480, 2040, 5594, 7387
- in East Germany 352, 2040, 4523, 5594
- in Finland 4833
- in Poland 1479–1481, 5120, 6648, 6763
- in UK 7387, 7601
- in oat fields, in Finland 4833
- insecticide resistance in, in Poland 5120
- on *Brassica*, in East Germany 352
- on rape
 - damage caused by 1481, 7601
 - in East Germany 2040, 4523, 5594
 - in England 7601
 - in Poland 1479–1481, 5120, 6648, 6763
 - in UK 7387
- on turnip rape, damage caused by 5595
- parasitised by
 - Stenomalina muscarum*, in Poland 1479
 - Trichomalus perfectus*, in Poland 1479

Ceutorhynchus floralis

- in Poland 6763
- on rape, in Poland 6763

Ceutorhynchus litura*, on *Cirsium arvense*, and biological control using, in Canada 7214**Ceutorhynchus napi***

- in East Germany 4523
- in Poland 6648, 6763
- on rape
 - damage caused by 6763
 - in East Germany 4523
 - in Poland 6648, 6763

Ceutorhynchus picitarsis

- in Poland 6763
- on rape, in Poland 6763

Ceutorhynchus pleurostigma

- in East Germany 4523
- in Poland 6648, 6763
- on rape

- in East Germany 4523

- in Poland 6648, 6763

Ceutorhynchus quadridens

- control of, insecticides for 6149
- in East Germany 4523
- in Poland 5120, 6648, 6763
- in UK 7601
- insecticide resistance in, in Poland 5120
- on cauliflower
 - damage caused by 6149
 - effects of plant density on 6149
- on rape
 - in East Germany 4523
 - in England 7601
 - in Poland 5120, 6648, 6763

Ceutorhynchus rapae

- in Poland 6763
- on rape, in Poland 6763

Ceutorhynchus sulcicollis

control of, insecticides for 6764

in Poland 6763

in Sweden 6764

on rape

assessing infestations of 6764

damage caused by 6763

in Poland 6763

in Sweden 6764

on turnip rape

assessing infestations of 6764

in Sweden 6764

ceylonensis, Anicetus***ceylonicus, Dactylopius******ceylonicus, Heliothrips* (see *H.****haemorrhoidalis)***CGA-12223** (see Phosphorothioic acid, *O*[5-chloro-1-(1-methylethyl)-1*H*1,2,4-triazol-3-yl] *O,O*-diethyl ester)**CGA-13353** (see 2-Butenoic acid, 3-methyl-4-[4-(phenylmethyl)phenoxy]-, ethyl ester)**CGA-15324** (see Phosphorothioic acid, *O*-(4-bromo-2-chlorophenyl) *O*-ethyl *S*-propyl ester)**CGA-20168** (see 2-Propenoic acid, 3-[(dimethoxyphosphinothioyl)oxy]-2-methyl-, methyl ester)**CGA-29170**against, *Tetranychus urticae* 5413in *Phytoseiulus persimilis*, toxicity of 5413**CGA-34300** (see 2-Pentenoic acid, 3-methyl-5-(4-phenoxyphenyl)-, methyl ester)**CGA-34301** (see 2-Pentenoic acid, 3-methyl-5-(4-phenoxyphenyl)-, ethyl ester)**CGA-34302**

against

Lymantria dispar 5789*Pieris brassicae* 5789*Plutella xylostella* 5789

in Hymenoptera, effects of 5789

Chabuata major

descriptions of 1798

food-plants of 1798

in Argentina 1798

in Brazil 1798

in Paraguay 1798

life-cycle of 1798

Chad

cotton diseases in 3000

Diparopsis watersii in, on cotton 4500, 4503*Earias* spp. in, on cotton 4503*Heliothis armigera* in, on cotton 4500, 4503*Isaniris decorsei* in, on cotton 3009*Tetranychus tchadi* in, on *Dolichos lablab* 1093***chaerophylli, Phytomyza******Chaetanaphothrips orchidii***

in USA (Hawaii) 4596

***Chaetanaphothrips orchidii* contd.**on *Anthurium*, in Hawaii 4596

taxonomy of

characters distinguishing *C. signipennis* and 4596characters distinguishing *Danothrips trifasciatus* and 4596***Chaetanaphothrips signipennis***

control of, insecticides for 2902

identification of 2902

in Australia 2902

in USA (Hawaii) 4596

on *Anthurium*, in Hawaii 4596

on banana 4596

in Queensland 2902

taxonomy of

characters distinguishing *C. orchidii* and 4596characters distinguishing *Danothrips trifasciatus* and 4596***Chaetocnema***

control of, insecticides for 2947

on beet, in France 2947

Chaetocnema breviscula

in Bulgaria 1194

on beet, in Bulgaria 1194

population growth in, effects of irrigation on 1194

Chaetocnema concinna

control of, insecticides for 4962

in Finland 4833, 4962

in oat fields, in Finland 4833

on sugar-beet, in Finland 4962

taxonomy of, characters distinguishing *C. heikertingeri* and 6161***Chaetocnema heikertingeri***

in Italy 6161

on soy bean, in Italy 6161

taxonomy of, characters distinguishing *C. concinna* and 6161***Chaetocnema hortensis***

in Finland 4833

on oats, in Finland 4833

Chaetocnema pulicaria

control of, insecticides for 4558

in USA 4558, 5935

in irrigated pastures

in Nebraska 5935

sampling of 5935

on maize, in New York 4558

Chaetocnema tibialis

control of, insecticides for 7600

in Bulgaria 1194

on beet, in Bulgaria 1194

on sugar-beet 7600

population growth in, effects of irrigation on 1194

Chaetomyar hishimoni

sp. n., description of 2338

in Japan 2338

parasitising, *Hishimonus sellatus*, in Japan 2338

- Chaetonerius latifemur***
 in Ghana 400
 on cacao, in Ghana 400
Phytophthora palmivora in, transmission of 400
- Chaetophlepsis***
 hosts of 4210
 keys to 4210
 taxonomy of 4210
- Chaetophlepsis plathypenae***
 sp. n., description of 4210
 in USA 4210
 parasitising, *Plathypena scabra*, in USA 4210
- Chaetorellia***
 cross-mating with *Urophora* in 5333
 keys to 7000
- Chaetorellia hexachaeta***, in Czechoslovakia 7000
- Chaetorellia jaceae***, in Czechoslovakia 7000
- Chaetorellia loricata***, in Czechoslovakia 7000
- Chaetosiphon fragaefolii***
 in Bulgaria 1390, 1994
 in USA 844, 6091
 on *Fragaria ananassa*, resistance to 844
 on *Fragaria chiloensis*, resistance to 844
 on strawberry
 in Bulgaria 1390, 1994
 in USA 844
 seasonal abundance of 1994
 strawberry crinkle virus in, transmission of 844
 strawberry mild yellow edge virus in, transmission of 844, 6091
 strawberry mottle virus in, transmission of 844
- Chaetosiphon minor***
 in USA 6091
 on *Fragaria virginiana*, in North Carolina 6091
 strawberry mild yellow edge virus in, transmission of 6091
- Chaetosiphon thomasi***
 biology of 3356
 in Chile 3356
 in USA 6091
 on *Fragaria*, in Chile 3356
 strawberry mild yellow edge virus in, transmission of 6091
- Chaitophoridae**
 on *Populus*, in Switzerland 3373
 on *Salix*, in Switzerland 3373
- Chaitophorinae**, alarm pheromones in 600
- Chalcididae**
 hyperparasitising, *Lymantria dispar*, in Switzerland 5789
 parasitising
 Apanteles fulvipes, in Switzerland 5789
 Mocis spp., in Florida 4283
- Chalcidoidea**
 hyperparasitising, *Yponomeuta rorellus* in Ukraine 6818
 in Argentina 675
 in Canada 1717
 in India 5830
 in USA 1717
 in grassland, in Hungary 2630
 parasitising
 Bactromyia aurulenta, in Ukraine 6818
 Bessa fugax, in Ukraine 6818
 Chilo polychrysus, in Malaya 4849
 Diplolepis mayri, in USSR 7209
 Orgyia antiqua, in West Germany 3030
 Phyllonorycter corylifoliella, in Netherlands 6719
 Physokermes hemicyphus, in East Germany 1906
 P. piceae, in East Germany 1906
 Phytomyza horticola, in India 855
 Rhyacionia duplana, in Spain 4395
 Saissetia oleae, in Iran 6023
 taxonomy of 3370
- Chalcis vera***
 sp. n., description of 559
 in South Africa 559
 in South-West Africa 559
- chalcites, Amara***
- chalcites, Chrysodeixis***
 (*Plusia*)
- chalcites, Pterostichus***
- Chalcodermus bimaculatus***
 control of, insecticides for 4946
 in Brazil 4945-4946
 on *Vigna unguiculata*
 damage caused by 4947
 feeding preferences of 4944
 in Brazil 4946
 pupal development in 4945
 pupation in 4943
- chalcographus, Ips, (Pityogenes)***
- chalcostomus, Microterys***
- Chalicodoma flavipes***
 in Egypt 2765
 on *Satureia hortensis*, as pollinator 2765
- chalybeus, Orcus***
- chalybii, Melittobia***
- Chamaecyparis, Argyresthia thuiella*** on, in Netherlands 1319
- Chamaerops fortunei, Gangara thyrasis*** on, in Tamil Nadu 2667
- Channa punctatus***, serum proteins in, effects of insecticides on 1055
- Charcoal**, insecticides in, adsorption of 3924
- Chard, Swiss** (see Spinach beet)
- Charipidae**, parasitising, *Acyrtosiphon pisum*, in Poland 2838
- Chate of Egypt** (see *Cucumis melo* var. *chate*)

Chauliops fallax

- biology of 1453
- in India 1453, 7348
- on *Dolichos biflorus*, in Himachal Pradesh 7348
- on *Phaseolus aconitifolius*, in Madhya Pradesh 1453
- on *Phaseolus aureus*, in Madhya Pradesh 1453
- on *Phaseolus mungo*, in Madhya Pradesh 1453
- on *Phaseolus vulgaris*, in Himachal Pradesh 7348
- on soy bean
 - in Himachal Pradesh 7348
 - in Madhya Pradesh 1453
- on *Vigna mungo*, in Himachal Pradesh 7348
- on *Vigna radiata*, in Himachal Pradesh 7348
- on *Vigna unguiculata*
 - in Himachal Pradesh 7348
 - in Madhya Pradesh 1453
- seasonal abundance of 7348

chayuensis*, *Reticulitermes

- Cheese, pirimiphos-methyl in, residues of 1651

Cheese stores

- Acarus siro* in, in UK 5177
- Hemicheyletia reticulata* in, in Scotland 1099

Cheilomenes lunata

- endosulfan in, toxicity of 2087
- in Nigeria 2087
- preying on

Aphis gossypii, in Nigeria 2087

Dysdercus supersticiosus, in Nigeria 2087

Cheilomenes propinqua quadrilineata

- biology of 5959
- preying on, *Numicia viridis*, in southern Africa 5959

Cheilomenes quadrilineata* (see *C. propinqua quadrilineata*)**Chelacheles strabismus***

- in Portugal 1535
- in flour mills, in Portugal 1535

Cheletomorpha lepidopterorum

- in China 2730
- in stored products, in China 2730

Chelisoches morio

- biology of 147
- descriptions of 147
- in India 147
- preying on, *Rhynchophorus ferrugineus*, in Kerala 147

Chelonus

- parasitising
 - Mamestra brassicae*, in Bulgaria 7189
 - Stegasta basqueella*, in Oklahoma 3678

Chelonus blackburni*, pesticides in, toxicity of 5205**Chelonus curvimaculatus***

- biology of 1278
- in India 1278
- in Zambia 2070
- parasitising
 - Phthorimaea operculella* in Karnataka 1278
 - in Zambia 2070

Chelonus heliopa

- parasitising, *Spodoptera litura* 4785
- rearing of, techniques for 4785

Chelonus inanitus

- biology of 1912
- descriptions of 2376
- development in 2376
- in Egypt 1912
- in Israel 2376
- in Yugoslavia 5479
- parasitising
 - Calophasia casta*, in Yugoslavia 5479
 - Spodoptera littoralis* in Egypt 1912
 - in Israel 2376

Chelonus starki

- in Bulgaria 7196
- parasitising, *Cydia pomonella*, in Bulgaria 7196

Chelonus texanus

- in USA 3678
- parasitising
 - Elasmopalpus lignosellus*, in Oklahoma 3678

Heliopsis virescens 781

- searching behaviour in, initiation of 781

Chelura insulæ*, in Thailand 5841*Chemosterilants**

- insect control using 2258
- modes of action of 78, 5319
- organophosphates as 1012
- substances tested as:
 - extracts of *Podocarpus gracilior* 1793
 - phosphorus amides 1155
 - triazines 1155
- vacuum dipping of insects in 7571

chengi*, *Stethorus**Chenopodiaceae**

- cowpea aphid-borne mosaic virus in, infectivity of 2931
- Pegomya hyoscyami* on, in Spain 2946

Chenopodium

- cucumber mosaic virus in, infectivity of 5069
- Pemphigus fuscicornis* on, in Krasnodar 369

Chenopodium album

- Aphis fabae* on, in UK 3966
- Conorhynchus hololeucus* on, in Turkmenia 6755
- cowpea aphid-borne mosaic virus in, lesions caused by 7352
- Mamestra brassicae* on, development of 67

- Chenopodium album* contd.**
Myzus persicae on, in Washington 3633
- Chenopodium amaranticolor***
 cowpea aphid-borne mosaic virus in, lesions caused by 7352
 soy-bean stunt virus in, infectivity of 6876
 turnip mosaic virus in, aphid transmission of 5725
- Chenopodium foetidum***, plum pox virus in, aphid transmission of 5720
- Chenopodium quinoa***, turnip mosaic virus in, aphid transmission of 5725
- Cephalosporium lecanii*** (see *Verticillium*)
- Chermes abietis*** (see *Adelges*)
- Chermes strobilobius*** (see *Adelges*)
- Chermes tardus*** (see *Adelges*)
- Cherry (*Prunus avium*)**
Adoxophyes orana on, in Poland 4306
Archips podanus on, in Poland 4306
Caliroa annulipes on, in France 1091
Cydia prunivora on 4309
 dimethoate in
 residues of 2886, 4564
 toxicity of 2886
 diseases of, identification of 7306
Enarmonia formosana on, in East Germany 2866
Eulecanium tiliae on, in British Columbia 6211
 fenthion in, residues of 527, 3318
Hedya nubiferana on, in Poland 4306
Malacosoma americanum on, in Kentucky 7482
Melolontha spp. on
 damage caused by 7163
 in Austria 7163
 Noctuidae on, in Ohio 323
 omethoate in, residues of 4564
 pest control on 7306
 pests of, identification of 7306
Phalera bucephala on
 damage caused by 6734
 in East Germany 6734
 plum pox virus in, aphid transmission of 5720
Quadraspidiotus perniciosus on
 in British Columbia 3859
 in USSR 5552
Recurvaria nanella on, in Crimea 6099
Rhagoletis cerasi on 73, 5271
 damage caused by 6928
 in Bulgaria 1842
 in Hungary 4320
 in Poland 527, 3318, 6928
 in Switzerland 3225, 4322, 4909, 5134, 6736
 in West Germany 4320
R. indifferens on, in Oregon 2020, 2886
R. pomonella on, in Texas 5345
Spilonota ocellana on, in Poland 4306
- Cherry contd.**
Vanessa polychloros on
 damage caused by 7320
 in Yugoslavia 7320
- Cherry, bird** (see *Prunus padus*)
- Cherry, black** (see *Prunus serotina*)
- Cherry, choke** (see *Prunus virginiana*)
- Cherry orchards**, *Phytoseius turicus* in, in USSR 7003
- Cherry, sour** (see *Prunus cerasus*)
- Cherry (stored fruit)**, *Cydia pomonella* in, in USA 3107
- Cherry, sweet** (see *Cherry*)
- Cherry, winter** (see *Physalis alkekengi*)
- Chestnut**, *Phassus excrescens* on, damage caused by 5690
- Chestnut, Chinese** (see *Castanea mollissima*)
- Chestnut, horse** (see *Aesculus hippocastanum*)
- Chestnut, Japanese** (see *Castanea crenata*)
- Chestnut, sweet** (see *Castanea sativa*)
- Chevron sticker**, in virus preparations 6848
- Cheyletia wellsii*** (see *Paracheyletia*)
- Cheyletus***, preying on, pests of stored grain 5455
- Cheyletus eruditus***
 food preferences of 5455
 in China 2730
 in France 7474
 in Irish Republic 3778
 in Poland 940
 in Portugal 1535
 in flour mills, in Portugal 1535
 in grain debris, in Irish Republic 3778
 in medicinal herbs, in Poland 940
 in stored products, in China 2730
 preying on
 Acarus siro 5411
 pests of stored grain 5455
- Cheyletus malaccensis***
 biology of 2730
 in China 2730
 in stored products, in China 2730
 morphology of 4013
 preying on, Tyroglyphidae 2730
- Cheyletus trouessarti***
 in China 2730
 in stored products, in China 2730
- Chick-pea** (see *Cicer arietinum*)
- Chickadee, black-capped** (see *Parus atricapillus*)
- Chickweed** (see *Stellaria media*)
- Chicory (*Cichorium intybus*)**
Claspettomys montana on, in Netherlands 1248
- Lestremia cinerea*** on, in Netherlands 1248
- Chiku** (see *Achras zapota*)
- Chile**
Acyrtosiphon dirhodum in
 natural enemies of 688
 on grain crops 688

Chile contd.

- Acyrtosiphon dirhodum* in contd.
on wheat 5489, 6043
A. porosum in, on *Rosa* 3356
Aegorhinus phaleratus in, on peach 686
aphids in
natural enemies of 5072
on grain crops 3982
Aphis citricola in 1084
apple in, pest control on 7544
Brevicoryne brassicae in, on cabbage 4329
Brevipalpus phoenicis complex in 2344
Chaetosiphon thomasi in, on *Fragaria* 3356
Chrysopa lanata in 780
clover in, insect pests of 690
Coccoidea in 691
Copitarsia consueta in, natural enemies of 5072
Cydia molesta in, on peach 2889
Dalaca noctuides in, in pastures 4881
Dichroplus spp. in, natural enemies of 5072
Drosophila pavani in 2532
Hylastinus obscurus in, on *Trifolium* 1379
Lipaphis erysimi in, on *Matthiola* 3356
lucerne in, insect pests of 690
Macrosiphoniella sanborni in, on *Chrysanthemum* 3356
Macrosiphum avenae in 7479
on wheat 5489
Myzocallis coryli in, on *Corylus* 3356
Naupactus xanthographus in, on peach 687
Noctuidae in
on beet 4329
on lucerne 699
Oryzaephilus surinamensis in, in stored wheat 6245
pear in, pest control on 7544
Phthorimaea operculella in, natural enemies of 1279
Plutella xylostella in
natural enemies of 5072
on cabbage 4329
Rhyzopertha dominica in, in stored wheat 6245
Sitophilus oryzae in, in stored wheat 6245
Tana paulseni in, in grassland 685
Thrips tabaci in, on winter vegetables 4329
Tribolium spp. in, in stored wheat 6245
Tuberculoides annulatus in, on *Quercus chilensis*, *Aphytis*
Chilli, red (see *Capsicum*)
Chilo
control of, insecticides for 1612
on maize, in Europe 1612

Chilo contd.

- on rice, in Karnataka 1882
Chilo agamemnon
control of
crop management for 230
insecticides for 819
in Egypt 230–231, 819, 2579, 4836
on maize, in Egypt 4836
on sugar-cane
damage caused by 231
effects of irrigation on 230
effects of planting date on 230
effects of row spacing on 819
in Egypt 230–231, 819
seasonal abundance of 4836
traps for 2579
Chilo auricilius
Beauveria bassiana in, in Orissa 6694
food-plants of 233
in India 233, 6694, 7221
in Indonesia 250
on rice, in Orissa 6694
on sugar-cane
effects of fertilizers on 7221
in India 233
in Indonesia 250
in Uttar Pradesh 7221
parasitised by, *Diatraeophaga striatalis*,
and biological control using, in
Indonesia 250
preyed on by, *Chlaenius bioculatus* 1342
Chilo indicus (see also *Chilo sacchariphagus indicus*)
food-plants of 233
in India 233
on sugar-cane, in India 233
Chilo infuscatellus
control of, insecticides for 816, 6667, 7609
digestive enzymes in 2424
food-plants of 233
in India 233, 3363, 6667, 7609
in Pakistan 816
on sugar-cane
in Andhra Pradesh 3363
in India 233
in Karnataka 6667
in Pakistan 816
parasitised by
Bracon chinensis 2715
Tetrastichus israeli 6640
preyed on by
Chlaenius bioculatus 1342
Mepachymerus sabroskyi, in Andhra Pradesh 3363
Chilo iridescent virus
host range of 3828
in
Bombyx mori, not interacting with
nuclear polyhedrosis virus 3829
Chilo suppressalis, replication of 3827

***Chilo iridescent virus* contd.**

in contd.

Galleria mellonella

not interacting with nuclear
polyhedrosis virus 3829
replication of 3826

Chilo partellus

biology of 5952

control of, insecticides for 816, 4840,
4871, 5952

digestive enzymes in 581

enzymes in 1112

Fusarium aleyrodis in

and biological control using 6881

pathogenicity of 6881

in India 1946, 2771, 4840, 4871, 6683,
7248

in Pakistan 773, 816

in South Africa 5952

mortality in, effects of rainfall on 2771

on maize

in Delhi 1946, 7248

in Karnataka 6683

in Pakistan 773

in Punjab 2771, 4840

resistance to 1946, 7248

varietal preferences of 3593, 4841

on rice, in Pakistan 773

on sorghum

in Maharashtra 4871

in Punjab 2771

in South Africa 5952

resistance to 6698

on sugar-cane, in Pakistan 773, 816

oviposition in 4743

parasites of, in South Africa 5952

parasitised by

Apanteles chilonis 4788, 7198, 7200*A. diatraeae* 4788*A. flavipes* 4788, 7198, 7200

and biological control using

in Pakistan 773

in South Africa 5952

Chilo plejadellus

distribution of 1958

on rice 1958

Chilo polychrysus

control of 6690

insecticides for 1356, 1951

distribution of 1958

in Hong Kong 2809

in India 6690

in Malaysia 1356, 1951, 4849

in Thailand 3595

on rice 1958

damage caused by 1356, 4270, 4849

in Hong Kong 2809

in India 6690

in Malaya 4849

in Malaysia 1356, 1951

in Thailand 3595

resistance to 6690

***Chilo polychrysus* contd.**

parasites of, in Malaya 4849

preyed on by

Anatrichus pygmaeus, in Thailand
3595

dragonflies, in Malaya 4849

Pocillotrapha taeniata, in Thailand
3595

spiders, in Malaya 4849

Chilo sacchariphagus

in Indonesia 250

in Malaysia 252

in Réunion 249

on sugar-cane

in Indonesia 250

in Réunion 249

in West Malaysia 252

parasitised by

Diatraeophaga striatalis, and biological
control using, in Indonesia 250

Lixophaga diatraeae 242

Tetrastichus atriclavus, in Réunion
249

Trichogrammatoidea nana, in West
Malaysia 252

Trichospilus diatraeae, and biological
control using, in Réunion 249

***Chilo sacchariphagus indicus* (see also *Chilo indicus*)**

control of, biological 814

in India 814

on sugar-cane, in Tamil Nadu 814

parasitised by, *Trichogramma australicum*,
and biological control using, in Tamil
Nadu 814

Chilo suppressalis

biology of 4274

chlordimeform in, metabolism of 5801

control of 4274, 6690

Bacillus thuringiensis for 5073

economic threshold for 7252

insecticides for 287, 713, 715, 1356,
1657, 1951, 1966, 2247, 2664, 2803,
2811, 3598, 4271, 4273, 4845, 7254,
7268, 7609

Neoaeplectana carpocapsae for 3847

development in 134

diapause in, hormonal regulation of 2482

diazinon resistance in, in South Korea
3279

distribution of 1958

egg-hatch in, effects of maternal age on
6059

emergence in 3597

fenitrothion resistance in, in South Korea
3279

fenthion resistance in, in South Korea
3279

in China 2811

in France 5073

in India 6690

in Indonesia 713, 715

***Chilo suppressalis* contd.**

- in Iran 7254
- in Japan 287, 1358, 1969, 2803, 3597, 3845, 3847-3848, 4845, 5267, 5511, 7252, 7268, 7609
- in Malaysia 1356, 1951
- in Philippines 3598
- in South Korea 1361, 3279, 4273
- in Taiwan 2247
- iridescent virus in 3826-3829
- life-cycle of, local differences in 1969
- literature on 4274
- mating in 5266-5267
- moulting hormones in, bioassay for 1129
- Nosema mesnili* in 2236
- nuclear polyhedrosis virus in
 - development of infection with 2198
 - pathogenicity of 3849
- on rice 1958, 1966, 3847
 - damage caused by 1356, 4274
 - effects of transplanting on 5511
 - forecasting infestations of 3848, 7252
 - in France 5073
 - in Honshu 7252
 - in India 6690
 - in Indonesia 713, 715
 - in Iran 7254
 - in Japan 1358, 2803, 3848, 4845, 5267, 5511, 7268
 - in Kwangtung Province 2811
 - in Malaysia 1356, 1951
 - in Mie Prefecture 3597
 - in Philippines 3598
 - in South Korea 1361, 3279, 4273
 - in Taiwan 2247
 - resistance to 1361, 5514, 6066, 6690
- parasitised by, *Bracon chinensis* 2715
- preyed on by
 - Cantheconidea furcellata* 4227
 - Carabidae, in Japan 1358
 - Gryllidae, in Japan 1358
 - Lyctocoris beneficus*, in Japan 3845
 - Xyllocoris galactinus*, in Japan 3845
- rearing of
 - diets for 134
 - techniques for 721
- sex pheromone of 5266-5267
- identity of 4070
- Telenomus dignoides* not parasitising 5512
- traps for 5267

Chilo tumidicostalis

- food-plants of 233
- in India 233
- on sugar-cane, in India 233

Chilo venosatus*, parasitised by, *Bracon chinensis* 2715**Chilo zacconius***

- control of, insecticides for 7273
- in Nigeria 4860, 7273
- on rice, in Nigeria 4860, 7273

Chilo zonellus* (see *C. partellus*)**Chilocorus bipustulatus***

- aggregation in 4693
- in Greece 6121, 6135
- in Italy 1426, 1643
- in Lebanon 4895
- in Morocco 6126
- in Turkey 1427
- in USSR 5457
- in olive groves, effects of insecticides on 1643
- neuroendocrine system in 2517
- photoperiodism in 2520
- preying on
 - Coccus aegaeus*
 - in Greece 6121
 - in Italy 1426
 - C. hesperidum*, in Turkey 1427
 - C. pseudomagnoliarum*, in Turkey 1427
 - Didesmococcus unifasciatus*, in Lebanon 4895
 - Parlatoria pergandii*, in Morocco 6126
 - Quadraspidiotus perniciosus*, in Krasnodar 5457
 - Saissetia oleae*
 - in Greece 6135
 - in Italy 1643
- trail pheromone of 4693

Chilocorus kuwanae

- emergence in 1229
- in Japan 785, 1229
- preying on
 - Chrysomphalus bifasciculatus* 1229
 - Quadraspidiotus macroporanus*, in Japan 785
 - Unaspis yanonensis*, in Japan 1229

Chilocorus nigrinus

- biology of 1274
- in India 1274
- in Tanzania 245
- morphology of 1274
- preying on
 - Aulacaspis tegalensis*, in Tanzania 245
 - Melanaspis glomerata*, in Maharashtra 1274
 - Parasaissetia nigra*, in Maharashtra 1274
 - Saccharicoccus sacchari*, in Maharashtra 1274

Chilocorus orbis*, preying on, *Phenacaspis pinifoliae* 767**Chilocorus renipustulatus***

- in USSR 5457
- preying on, *Quadraspidiotus perniciosus*, in Krasnodar 5457

chilonis*, *Apanteles***Chilopoda***

- in UK 4749
- in pasture soil, factors affecting populations of 1367
- preying on, *Reticulitermes flavipes*, in Connecticut 1921

Chilotraea infuscatellus (see *Chilo*)

Chilotraea polychrysus (see *Chilo*)

China

Aiolopus thalassinus in 5418

Anomis flava in, natural enemies of 6892

Aphis gossypii in, on cotton 6884

Baliothrips bififormis in, on rice 6687

Cheyletidae in, in stored products 2730

Chilo suppressalis in, on rice 2811

Citrus spp. in, pest control on 2029

citrus groves in, arthropods in 2029

Cnaphalocrocis medinalis in, on rice 2811

Coptotermes formosanus in 6646

Diaphorina citri in, on *Clausenia lansium* 6803

Kerria lacca in, natural enemies of 1910

Macrotermes barneyi in 6645, 6647

Nilaparvata lugens in, on rice 2811

Numicia graminivora in 6999

Odontotermes formosanus in 6645, 6647

Ostrinia nubilalis in, on maize 6680

Paraleucoptera sinuella in, on *Populus* 6828

Parnara spp. in, on rice 1967

Scirpophaga incertulas in, on rice 1968, 2811

Spodoptera littoralis in 5403

Tessaratomia papillosa in, on *Litchi chinensis* 2901

Tetranychus spp. in 1851

Unaspis yanonensis in 5101

China clay, in insecticidal dusts 2291

chinai, *Cicadulina*

chinense, *Calosoma*

chinensis, *Callosobruchus*

(*Bruchus*)

chinensis, *Nebria*

chinensis, *Oxya*

chinensis, *Tytthus*, (*Cyrtorhinus*)

Chinomethionat (see Quinomethionate)

Chinquepin (see *Castanea pumila*)

Chionanthus virginicus

Leptopyga mutica on
damage caused by 6807
in Florida 6807

chionaspidis, *Arrhenophagus*

Chionaspis pinifoliae (see *Phenacaspis*)

Chionaspis salicis

in Sweden 3362

in USSR 6808

on *Fraxinus*, in Caucasus 6808

parasitised by, *Arrhenophagus*

chionaspidis, in Sweden 3362

Chionochloa flavescens, pests of, in New Zealand 1974

Chionochloa macra, pests of, in New Zealand 1974

Chionochloa pallens, pests of, in New Zealand 1974

Chionochloa rigida, pests of, in New Zealand 1974

Chionochloa rubra, pests of, in New Zealand 1974

chionosema, *Acrocercops*

Chironomidae

in pastures, effects of insecticides on 2834, 7678

in rice-fields, in Tokushima Prefecture 1354

in streams, effects of fenitrothion on 914

Chironomus riparius

endosulfan in, toxicity of 2643

endosulfan metabolites in, toxicity of 2643

farnesane derivatives in, growth-regulator activity of 6939

Chironomus thummi (see *C. riparius*)

Chirothrips frontalis

descriptions of 1246

in Peru 1246

on wheat, in Peru 1246

Chitin

in *Calliphora vomitoria* cuticle 1750

in *Cydia pomonella* cuticle 1750

in *Eristalis tenax* cuticle 1750

in locust cuticle, diflubenzuron inhibiting deposition of 2283

in *Locusta migratoria*, formation of glucosamine 6-phosphate during synthesis of 3522

in *Plodia interpunctella*, inhibitors of synthesis of 6294

in *Schistocerca americana* cuticle 1750

Chitinase

in Acridid guts, not found 5866

in *Bacillus thuringiensis* strains 5083

in *Locusta migratoria* gut, not found 739

in *Serratia marcescens* 6898

with *Bacillus thuringiensis*
against

Choristoneura fumiferana

on *Abies* 7428, 7435

on *Abies balsamea* 495

chittendeni, *Colaspis crinicornis*

Chlaenius

distribution of 1913

food of 1913

Chlaenius bioculatus

biology of 1342

descriptions of 1342

in India 1342

preying on

Chilo auricilius 1342

C. infuscatellus 1342

Marasmia suspicalis, in Uttar Pradesh 1342

Chlaenius sericeus

in Canada 326

in apple orchards, in Quebec 326

Chlaenius tricolor

in Canada 326

in apple orchards, in Quebec 326

Chloeon dipterum, hemolymph proteins in 5272

Chloethrips oryzae

control of, insecticides for 4848

in India 4848

in Japan 1355

on rice

in Karnataka 4848

in Tokushima Prefecture 1355

seasonal abundance of 1355

Chloral hydrate (see 1,1-Ethanediol, 2,2,2-trichloro-)

Chloraniformethan (*N*-[2,2,2-trichloro-1-[(3,4-dichlorophenyl)amino]ethyl]formamide)

in *Phytoseiulus persimilis*, toxicity of 7673

Chlorcam (see Toxaphene)

Chlorcyclizine (1-[(4-chlorophenyl)phenylmethyl]-4-methylpiperazine)

in *Megachile pacifica*, effects of 1662

Chlordane (1,2,4,5,6,7,8-octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1*H*-indene)

against

Agriotes spp. 3953

on sugar-beet 2663

Agrotis ipsilon, on potato 2965

A. segetum, on potato 2965

Attagenus megatoma 6248

Ceratitidis capitata 1038

Chalcodermus bimaculatus, on *Vigna unguiculata* 4946

Delia platura, on *Phaseolus lunatus* 4557

Diabrotica longicornis, on maize 1691

Heteronychus arator 6958

Ostrinia nubilalis, on maize 1691

pests of maize 7603

Phthorimaea operculella 6169

Salina celebensis, on cacao 903

termites 6645

Tipula paludosa 2824

Xyleborus affinis, on *Dracaena fragrans* 411

X. ferrugineus, on *Dracaena fragrans* 411

Xylocopa micans 6869

X. virginica 6869

in fowl eggs, residues of 3321

in maize

effects on yield of 1691

residues of 3953

in mouse intestine, inhibiting active transport of glucose 1686

in *Nomuraea rileyi*, toxicity of 3823

in rat, metabolism of 3907

in root crops, residues of 533

in sediment, residues of 7680

in soil, residues of 533, 5146

in streams, residues of 3331

in vegetable crops, residues of 3953

Chlordane contd.

resistance to, in, *Popillia japonica*, in New York 4290

taints from, avoidance of 7675

technical, chlordene isomers in 4535

with BHC, against, termites 6645

with methyl-parathion

against

Anthonomus grandis, on cotton 2989

Heliothis spp., on cotton 2989

with parathion, against, *Agriotes* spp. 3953

Chlordecone (1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-1,3,4-metheno-2*H*-cyclobuta[*cd*]pentalen-2-one)

against

Cosmopolites sordidus 684

on banana 2904

in rabbit, effects on lactate dehydrogenase of 3300

Chlordecone hydrate (see 1,3,4-Metheno-2*H*-cyclobuta[*cd*]pentalene-2,2-diol, 1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-)

Chlordene (see also 4,7-Methano-1*H*-indene, 4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-)

in technical chlordane 4535

Chlordene dicarboxylic acid, dihydro- (see 4,7-Methano-1*H*-indene-1,3-dicarboxylic acid, 4,5,6,7,8,8-hexachloro-2,3,3a,4,7,7a-hexahydro-)

Chlordene, hydroxy- (see 4,7-Methano-1*H*-inden-1-ol, 4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-)

Chlordimeform (*N*'-(4-chloro-2-methylphenyl)-*N,N*-dimethylmethanimidamide)

acaricidal activity of 3954

against

Aphanostigma iaksuiense, on pear 2017

Aphis pomi, on apple 1418

Brevipalpus obovatus 3725

Bryobia praetiosa, on pear 7318

B. rubrioculus 320

on apple 847

Chilo suppressalis 1657

on rice 7268

Cnaphalocrocis medinalis, on rice 716

Floracarus cyphomandrae, on

Cyphomandra betacea 4323

Heliothis spp., on *Physalis ixocarpa* 1475

H. subflexa, on *Physalis* 783

H. virescens, on *Physalis* 783

Keiferia lycopersicella, on tomato 882, 2974

Nephotettix cincticeps 1657

Nilaparvata lugens, on rice 5514

Panaphis juglandis, on walnut 1413

Chlordimeform *contd.*against *contd.*

- Panonychus ulmi* 320
 - on apple 847
- pests of plum 1640
- pests of rice 3598
- Pieris rapae*, on cabbage 1441, 6965
- Plutella xylostella*, on cabbage 1441
- Quadraspidotus perniciosus*, on plum 1640
- Spodoptera litura*, on *Colocasia* 1473
- stem borers, on rice 716
- Symmetrischema* spp., on *Physalis ixocarpa* 1475
- Tetranychus arabicus*, on cotton 891
- T. cucurbitacearum*, on cotton 891
- T. neocaledonicus*
 - on eggplant 4920
 - on okra 4920
- T. turkestanii* 7666
- T. urticae* 1670, 5748, 7520
 - on bean 515
 - on *Capsicum* 985, 1027
 - on *Colocasia esculenta* 1472
 - on cucumber 985, 1027, 5805
 - on pear 2885
- T. viennensis*, on apple 847
- Trichoplusia ni*, on cabbage 1441
- in *Amblyseius fallacis*, toxicity of 3902
- in *Anthrenus nemorum*, toxicity of 5436
- in *Apanteles glomeratus*, toxicity of 6965
- in apple, residues of 529
- in *Chilo suppressalis*, metabolism of 5801
- in *Conocephalus maculatus*, toxicity of 1657
- in cucumber, residues of 5805
- in *Folsomia candida*, toxicity of 3304
- in *Hypogastrura armata*, toxicity of 3304
- in *Lycosa pseudoannulata*, toxicity of 1657
- in man, metabolism of 3909
- in *Nephotettix cincticeps*, effects on probing frequency of 4271
- in *Onychiurus folsomi*, toxicity of 3304
- in *Phygadeuon trichops*, effects on fecundity of 5209
- in *Phytoseiulus persimilis*, toxicity of 7666
- in rat, metabolism of 5801, 6408
- in rice-fields, effects on spiders of 7268
- in *Tetranychus arabicus*, relation of acaricide resistance and susceptibility to 3001
- in *Trichogramma*, toxicity of 783
- in *Typhlodromus pyri*, toxicity of 3902
- insecticidal activity of 3954
- mutagenicity of metabolites of 7679
- with azinphos-methyl
 - against
 - Anthonomus grandis*, on cotton 2989

Chlordimeform *contd.*with azinphos-methyl *contd.*against *contd.*

- Heliothis* spp., on cotton 2989
- with *Bacillus thuringiensis*
 - against
 - Keiferia lycopersicella*, on tomato 882
 - Pieris rapae*, on cabbage 1441
 - Plutella xylostella*, on cabbage 1441
 - Trichoplusia ni*, on cabbage 1441
- with diflubenzuron, against, *Heliothis virescens* 6399
- with dimethoate
 - against
 - Heliothis* spp., on *Physalis ixocarpa* 1475
- Symmetrischema* spp., on *Physalis ixocarpa* 1475
- with formetanate
 - against
 - Brevipalpus obovatus* 3725
 - Tetranychus arabicus*, on cotton 891
 - T. cucurbitacearum*, on cotton 891
 - T. urticae*, on bean 515
- with methomyl
 - against
 - Heliothis* spp., on cotton 4374
 - H. zea*, on maize 4843, 5498
 - Spodoptera frugiperda*, on maize 4843, 5498
- with methyl-parathion
 - against
 - Anthonomus grandis*, on cotton 2989
 - Heliothis* spp., on cotton 2989, 4374
 - H. virescens* 6399
- with methyl-parathion, and toxaphene, against, *Heliothis* spp., on cotton 4374
- with monocrotophos
 - against
 - Heliothis* spp., on cotton 4374
 - H. virescens* 6399
- with parathion, against, *Bucculatrix thurberiella*, on cotton 2988
- with pyrethrins, against, *Heliothis virescens* 6399
- Chlorella**, diet component for, *Pieris rapae* 1240
- Chlorella vulgaris**
 - endosulfan in, effects of 2643
 - endosulfan metabolites in, effects of 2643
- Chlorfenethol** (4-chloro- α -(4-chlorophenyl)- α -methylbenzenemethanol)
 - with chlorfensulphide
 - against
 - Acarapis woodi* 2701
 - Brevipalpus obovatus* 3725
 - Bryobia rubrioculus*, on apple 847
 - Panonychus ulmi* 497
 - on apple 847

Chlorfenethol contd.

with chlorfensulphide contd.

against contd.

Tetranychus urticae, on cucumber

985, 1027

Tetranychus viennensis, on apple

847

in *Anthocoris nemorum*, toxicity of

5436

Chlorfenson (4-chlorophenyl 4-

chlorobenzenesulfonate)

against

Acarapis woodi 2702*Cecidophyopsis ribis*, on black currant

1397

in *Anthocoris nemorum*, toxicity of 5436

in apple orchards, effects on mites of

2011

with malathion, against, *Brevipalpus**obovatus* 3725**Chlorfensulphide ([4-**

chlorophenyl)thio(2,4,5-

trichlorophenyl)diazene)

with bis(4-chlorophenyl) disulfide, and

1,1'-[methylenebis(oxy)]bis[4-

chlorobenzene], against, *Acarapis**woodi* 2701

with chlorfenethol

against

Acarapis woodi 2701*Brevipalpus obovatus* 3725*Bryobia rubrioculus*, on apple 847*Panonychus ulmi* 497

on apple 847

Tetranychus urticae, on cucumber

985, 1027

T. viennensis, on apple 847in *Anthocoris nemorum*, toxicity of

5436

Chlorfenvinphos (2-chloro-1-(2,4-

dichlorophenyl)ethenyl diethyl

phosphate)

against

Agriotes spp. 2281*Amrasca biguttula*, on cotton 1484*A. devastans*, on okra 7335*Aphis gossypii*, on cotton 1484

bollworms, on cotton 7391

Ceutorhynchus assimilis, on rape 1480*C. quadridens*, on cauliflower 6149*Chilo infuscatellus*, on sugar-cane

6667

C. polychrysus, on rice 1951*C. suppressalis*, on rice 1951

Cicadellidae, on cotton 7391

Coccu viridis, on coffee 403*Cosmopolites sordidus* 684*Delia* spp., on *Phaseolus vulgaris* 5604*D. brassicae* 2041, 4583

on cabbage 4333

on cauliflower 4333, 5598, 6149

D. coarctata, on wheat 7586**Chlorfenvinphos contd.**

against contd.

Heliothis armigera, on maize 824*Hylemya* spp., on cabbage 1615*H. antiqua*, on onion 3948*H. brassicae* 3307on *Brassica* 3947

on brussels sprouts 2651

on cabbage 351, 1444, 2918

on cauliflower 3327, 5296

on horse-radish 3308

H. floralis 3307

on horse-radish 3308

Lasioderma serricorne 1547*Leptinotarsa decemlineata* 1679, 3205,

3286

on potato 373, 2961, 4969

Leucinodes orbonalis, on eggplant

5634

Lipaphis erysimi, on mustard 4545*Melolontha melolontha* 2281*Nephotettix cincticeps*, on rice 2806*Nilaparvata lugens*, on rice 1964*Oncopera* spp., in pastures 2832*O. alboguttata*, in pastures 4879*O. rufobrunnea*, in pastures 4879*Ophiomyia phaseoli*, on *Vicia faba*

1448

pests of rice 1356

Plutella xylostella, on cauliflower 2044*Pristiphora abietina*, on *Picea abies*

1525

Psila rosae, on carrot 1466, 2957,

3946–3947, 7370

Schoenobius dodatellus, on rice 1951*Scirpophaga incertulas*, on rice 1951*Sesamia inferens*, on rice 1951*Spodoptera littoralis* 4550*Sylepta derogata*, on cotton 4980*Tirathaba mundella*, on oil palm 1991

in cabbage, residues of 351, 1444

in carrot, residues of 1466, 2957

in *Coccinella septempunctata*, toxicity of

6967

in earthworms, toxicity of 3327

in *Folsomia candida*, toxicity of 3304

in honey bees, toxicity of 1480

in horse-radish, residues of 3308

in *Hypogastrura armata*, toxicity of 3304in *Lagenaria vulgaris*, toxicity of 1446in *Leptinotarsa decemlineata*, effects of

temperature on susceptibility to 3286

in *Momordica charantia*, toxicity of 1446

in onion, toxicity of 3948

in *Onychiurus folsomi*, toxicity of 3304in *Phaseolus vulgaris*, toxicity of 5604in *Pterostichus melanarius*, toxicity of

802, 1054

in rat, toxicity of 7652

in soil

degradation of 4581

persistence of 4583

Chlorfenvinphos *contd.*

- in soil *contd.*
 - residues of 1466, 2957
- in *Spodoptera littoralis*, effects of exposure time on susceptibility to 4550
- in *Stenolophus comma*, toxicity of 1054
- in swede, residues of 3307
- in *Vigna unguiculata*, effects on root nodulation of 7354
- insecticidal activity of 7652
- resistance to, in, *Hylemya brassicae*, in France 4518
- with carbaryl, against, *Leptinotarsa decemlineata*, on potato 4969
- with carbophenothion, against, *Delia coarctata*, on wheat 7586
- with herbicides 1615, 3327
- with thiram, against, *Hylemya platura*, on *Phaseolus vulgaris* 2653

Chloride

- in locust excreta 1255
- in *Schistocerca americana* muscle fibres, effects of ibotenic acid on permeability to 746
- in *Schistocerca americana* rectal wall, active transport of 5420

Chloridea armigera (see *Heliothis*)**Chloridea nubigera** (see *Heliothis*)**Chloridea obsoleta** auct. (see *Heliothis armigera*)**Chloridea peltigera** (see *Heliothis*)**Chloridea viriplaca** (see *Heliothis*)**Chloridolum lochooanum taiwanum**, taxonomy of, synonym of *Aphrodisium thomsoni* 4305**Chloridolum thomsoni**, taxonomy of, transferred to *Aphrodisium* 4305**Chlorine**

- in *Solenopsis invicta* 2697
- in *Solenopsis invicta* queens 5311
- mirex thermoproduct 4540

Chloris gayana, *Antonina graminis* on, in Israel 4504**Chloristoneura fumiferana**, oviposition in 427**chlorizans**, *Malacocoris***Chloromphos** (*S*-(chloromethyl) *O,O*-diethyl phosphorodithioate) against

- Agriotes* spp., on sugar-beet 2663
- Costelytra zealandica* 3192
- Hylemya antiqua*, on onion 2652
- pests of beet 2947
- pests of maize 7603
- soil arthropods 3950
- in maize, persistence of 7603
- in soil, degradation of 4581
- in sugar-beet, effects on germination of 2663

Chlormequat (2-chloro-*N,N,N*-trimethylethanaminium)**Chlormequat** *contd.*

chloride against

Hyperomyzus lactucae, on black currant 6093, 6427

Hysteronura setariae, on *Eleusine coracana* 2797

antifeedant for, *Spodoptera littoralis*, on *Ricinus communis* 5767

in *Macrosiphum avenae*, effects on development and reproduction of 276

in *Schistocerca gregaria*, effects on fecundity and fertility of 1252

in *Spodoptera littoralis*

effects of 5767

effects on development of 7667

Chlormethylfos (see *Chlorpyrifos-methyl*)**Chlorobenzilate** (ethyl 4-chloro- α -(4-chlorophenyl)- α -hydroxybenzeneacetate) against

Acarapis woodi 2702

Aphanostigma iaksuiense, on pear 2017

Epitrimerus pyri, on pear 1424

Phyllocoptruta oleivora, on *Citrus* 2893, 6745

Tetranychidae 4746

Tetranychus truncatus, on *Phaseolus vulgaris* 6417

T. urticae 1670

on bean 515

in *Amblyseius longispinosus*, toxicity of 6417

in apple orchards, effects on mites of 2011

in *Stethorus loi*, toxicity of 6417

Chlorochroa uhleri, on cotton, damage caused by 6190

chlorodia, *Temnochila virescens***Chlorodimeform** (see *Chlordimeform*)**Chlorofos** (see *Trichlorphon*)**Chlorogenic acid**

in *Agrotis ipsilon*, effects on development of 5858

Phthorimaea operculella feeding responses to 3683

in *Leptinotarsa decemlineata*, taste receptors for 589

Chloromite (see *Chloropropylate*)**Chlorophos** (see *Trichlorphon*)**Chlorophylls**

in cabbage, effects of *Eurydema rugosum* on 1442

in lucerne, incorporation of methoprene into 1702

in rice

effects of *Nilaparvata lugens* on 1965

incorporation of methoprene into 1702

in sour orange, effects of *Eutetranychus orientalis* on 1432

Chlorophylls *contd.*

- in soy bean, effects of *Diacrisia obliqua* on
2059

Chloropidae, in Mongolia 4142**Chloropropylate** (1-methylethyl 4-chloro- α -
(4-chlorophenyl)- α -
hydroxybenzeneacetate)

against

Acarapis woodi 2701

Aphanostigma iaksuiense, on pear
2017

Tetranychus urticae, on bean 515

in *Amblyseius fallacis*, toxicity of 3902

in *Typhlodromus pyri*, toxicity of 3902

Chlorops hypostigma

in UK 4288

in grassland, in Northern Ireland 4288

Chlorops mugivora

sp. nov., description of 5840

in Japan 5840

on barley, in Japan 5840

on oats, in Japan 5840

on rye, in Japan 5840

on wheat, in Japan 5840

Chlorops pumilionis

in Poland 1349, 6927-6928

on grain crops

damage caused by 6927-6928

in Poland 6927-6928

on wheat, in Poland 1349

Chloropulvinaria aurantii

control of, integrated 339, 3850

in Japan 339, 3850

on *Citrus natsudaoidai*

in Japan 3850

in Yamaguchi Prefecture 339

predators of, in Yamaguchi Prefecture

339

Chloropulvinaria psidii

in South Africa 16

on *Maytenus senegalensis*, in South Africa
16

parasitised by, *Argutencyrtus luteolus*, in
South Africa 16

chloropus, Telenomus**Chlorotettix**, in South Africa 13**Chlorphenamidine** (see Chlordimeform)**Chlorphoxim** (7-(2-chlorophenyl)-4-ethoxy-
3,5-dioxo-6-aza-4-phosphaoct-6-ene-8-
nitrile 4-sulfide)

against

Hylobius pales 1664

Mythimna unipuncta 2793

Chlorprazophos (*O*-(3-chloro-7-
methylpyrazolo[1,5-*a*]pyrimidin-2-yl)
O,*O*-diethyl phosphorothioate)

against, *Bucculatrix thurberiella*, on
cotton 2988

Chlorpyrifos (*O*,*O*-diethyl *O*-(3,5,6-trichloro-
2-pyridinyl) phosphorothioate)

against

Agriotes spp. 2281

Chlorpyrifos *contd.*

against *contd.*

Agriotes spp. *contd.*

on potato 2964

on sugar-beet 2663

Agrotis segetum 511

on potato 2965

Aphis gossypii, on cotton 3707

Aphodius tasmaniae, in pastures 4879
bark beetles 4418

Bemisia tabaci, on cotton 3707

Bucculatrix thurberiella, on cotton
2988

Callosobruchus maculatus 3898

Camnula pellucida 1251

Chilo agamemnon, on sugar-cane 819

Chortocetes terminifera 5987

Chrysomela scripta 7433

Contarinia sorghicola, on sorghum
4868

Crociodolomia binotalis, on cabbage
730

Curculio sayi, on *Castanea mollissima*
4896

Cydia pomonella, on apple 6731

Delia spp., on *Phaseolus vulgaris* 5604

D. antiqua, on onion 4558

Dermestes frischii, in hide 1674

Diacrisia obliqua 863

Diaprepes abbreviatus 4994

Earias spp., on cotton 1484

Elasmopalpus lignosellus, on groundnut
4342

Ephestia cautella 2650

Epiphyas postvittana, on apple 6731

Euxoa messoria 3900, 6360

on tobacco 6359, 6798

E. ochrogaster 6360

on tobacco 6359

Halotydeus destructor, in pastures
4879

Heliothis armigera, on maize 824

H. zea, on maize 4843, 5498

Heteronychus arator 6958

Hylastes spp. 6835

Hylemya spp., on cabbage 1615

H. antiqua, on onion 2652

H. brassicae, on brussels sprouts 2651

Hylobius abietis 6835

H. pales 1664

on *Pinus* 7425

Hyperodes bonariensis, on *Lolium*
3185-3186

Lasioderma serricorne 1547

Listronotus oregonensis 877

Mamestra configurata 2914

Melanoplus sanguinipes 1251

Melolontha melolontha 2281

Mythimna unipuncta, on maize 2793

Noctuidae 152

Oncopera alboguttata, in pastures
4879

Chlorpyrifos contd.

against contd.

*Oncopera contd.**O. rufobrunnea*, in pastures 4879*Pachylobius piciporus*, on *Pinus* 7425*Pectinophora gossypiella*, on cotton 1484*Peridroma saucia*, on *Capsicum* 511*Plusia argentifera* 6957*Plutella xylostella*, on cabbage 730*Pseudococcus* spp., on grapevine 3183*Scapteriscus* spp. 1868*S. acletus*, in pastures 7280*S. vicinus*, in pastures 7280*Schizaphis graminum* 1938*Scolytus scolytus*, on *Ulmus* 4423*Sitophilus oryzae* 1025*Sminthurus viridis*, in pastures 4879

soil arthropods 3949

Sphenophorus maidis, on maize 498*Spodoptera frugiperda*, on maize 4843, 5498*S. littoralis* 3899, 4550, 7654*Syringopais temperatella*, on barley 2786*Tetranychus cinnabarinus* 3274*T. turkestanii*, on cotton 3707*Thymelicus lineola* 7658*Tipula* spp. 7588*Tribolium castaneum* 1025in *Euxoa messoria*, stomach, contact, and fumigant activity of 3900in *Heliothis virescens*, metabolism and toxicity of 1036

in maize, residues of 2793

in milk, residues of 6985

in *Nomuraea rileyi*, toxicity of 3823in *Reticulitermes flavipes*, metabolism of 4547

in rice-fields, non-target effects of 710

in *Sitophilus oryzae*, effects of diet on susceptibility to 1025in *Spodoptera littoralis*

effects of exposure time on susceptibility to 4550

effects of formulation on susceptibility to 7653

effects of test method on susceptibility to 7653

effects on reproduction of 2287

in tobacco, toxicity of 6359, 6798

in *Tribolium castaneum*, effects of diet on susceptibility to 1025resistance to, in, *Spodoptera littoralis*, in Turkey 7566

sunlight inactivation of 7654

vapourisation of 7654

with chlordimeform, against, *Heliothis virescens* 6399with hydroprone, in *Spodoptera littoralis*, effects on reproduction of 2287**Chlorpyrifos contd.**with thiram, against, *Hylemya platura*, on *Phaseolus vulgaris* 3951**Chlorpyrifos-methyl (O,O-dimethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate) against***Aphis craccivora*, on *Vicia faba* 3661*Bemisia tabaci*, on bean 4939*Cydia pomonella*, on apple 6731*Ephestia cautella* 2650*Epiphyas postvittana*, on apple 6731*Hylobius pales* 1664*Phthorimaea operculella*, on potato 7374*Sitotroga cerealella*, in stored maize 3791*Spodoptera littoralis*

on tomato 3666

on *Vigna unguiculata* 3666

in bean, toxicity of 4939

in *Cynodon dactylon*, residues of 1981in *Heliothis virescens*, metabolism and toxicity of 1036

in maize, residues of 1981

in maize grain, residues of 6292

in sorghum grain, residues of 6292

in wheat grain, residues of 6271, 6292

with chlordimeform, against, *Heliothis virescens* 6399**Chlorpyrifos-oxon (see Phosphoric acid, diethyl 3,5,6-trichloro-2-pyridinyl ester)****Chlortetracycline**, diet component for, *Spodoptera exigua* 5923**Chlorthiophos** (mixture of isomers including

O-[2,5-dichloro-4-(methylthio)phenyl]

O,O-diethyl phosphorothioate)

against

Bucculatrix thurberiella, on cotton 2988*Pristiphora abietina*, on *Picea abies* 1525*Sphenophorus callosus*, on maize 4264*Zeiraphera diniana*, on *Picea abies* 1525**Choetopsila elegans**

in India 6315

parasitising, *Trogoderma granarium*, in Punjab 6315**Cholesta-5,24-dien-3-ol (3 β)-**in *Bombyx mori*

effects of allene analogue of 7053

inhibitors of conversion to cholesterol of 5260

Cholesta-5,7-dien-3-ol, (3 β)-, in *Hylobius pales* diet, requirement for 923**Cholesta-5,23,24-trien-3-ol, (3 β)-**, in *Bombyx mori*, inhibiting development 7053**Cholest-5-ene**, in *Dermestes maculatus* diet, not utilised 4051

Cholest-5-ene, 3-[2,2-bis(methylamino)ethoxy]-, (3 β)-, in *Bombyx mori*, inhibiting conversion of β -sitosterol to cholesterol 5260

Cholest-5-ene, 3-chloro- (3 β)-

- in *Caloglyphus berlesei*, inhibiting cholesterol metabolism 6239
- in *Dermestes maculatus* diet, inhibiting development 4051
- in *Tyrophagus putrescentiae*, inhibiting cholesterol metabolism 6239

Cholest-5-ene, 3-fluoro-, (3 β)-, in *Dermestes maculatus* diet, not utilised 4051

Cholest-5-en-3-ol (3 β)- (cholesterol)

- culture-medium component for, *Antheraea eucalypti* cells 38
- diet component for
 - Achaea janata* 5926
 - Acrolepiopsis assectella* 1830
 - Chilo suppressalis* 134
 - Coptotermes formosanus* 2426
 - Dermestes maculatus* 585
 - Diparopsis castanea* 1840
 - Ephialtes roborator* 663
 - Eurygaster integriceps* 5388
 - Hyphantria cunea* 1242
 - Macrosteles fascifrons* 1835
 - Oryzaephilus mercator* 2418
 - Phryxe caudata* 1236
 - Reticulitermes flavipes* 2426
 - Spodoptera exigua* 5923
 - Tineola bisselliella* 1775
- in *Anthrenus flavipes* diet, effects on feeding of 4053
- in *Bombyx mori*, inhibitors of conversion of β -sitosterol to 5260
- in *Caloglyphus berlesei*, cholesteryl chloride inhibiting metabolism of 6239
- in *Dermestes maculatus* diet, other steroids competing with 4051
- in *Dysdercus cingulatus*, developmental changes in 7091
- in *Heliothis armigera* diet, effect on diapause of 1167
- in *Hylobius pales* diet, requirement for 923
- in *Lasioderma serricorne*, developmental changes in 5859
- in *Manduca sexta*, effects of dietary filipin on 34
- in *Solenopsis invicta* cuticle 4200
- in *Solenopsis richteri* cuticle 4200
- in *Tenebrio molitor*, synthesis of ecdysones from 53
- in *Tribolium castaneum* diet, effects on insecticide susceptibility of 1026

Cholest-5-en-3-ol contd.

(3 β)- contd.

in *Tyrophagus putrescentiae*, cholesteryl chloride inhibiting metabolism of 6239

in wool textiles, effects on insect feeding of 6277

Phthorimaea operculella feeding responses to 3683

hydrogen sulfate, (3 β)-, in *Manduca sexta* excreta, effects of dietary filipin on 34

Cholest-7-en-6-one, 2,3,14,20,22,25-hexahydroxy-

(2 β ,3 β ,5 β ,22R)- (3 β -ecdysone; ecdysterone; 20-hydroxy- α -ecdysone)

in *Acheta domesticus*, effects on flight muscles of 3416

in *Bombyx mori*, counteracting inhibition of cholesterol synthesis 5260

in *Bombyx mori* diet, detoxication of 4062

in *Celerio euphorbiae*, effects on enzyme and RNA synthesis of 1771

in *Cephonodes hylas*, effects on body colour of 4672

in *Chilo suppressalis*, bioassay for 1129

in *Choristoneura fumiferana*, metabolism of α -ecdysone to 4662

in *Dacus tryoni*, not causing sterility 6519

in *Danaus plexippus*, effects on reproductive system of 7080

in *Dermestes maculatus*, depressing respiratory metabolism 1131

in *Drosophila*, effects on imaginal disks of 1773

in *Drosophila melanogaster*, effects on DNA synthesis of 1772

in *Galleria mellonella*, role in morphogenesis of 590

in *Heliothis virescens*, effects on nuclear polyhedrosis virus of 2232

in *Locusta migratoria* activity pattern of 2687

effects of prothoracectomy on 161

in *Mamestra brassicae* effects on wing disks of 2386

not affecting spermiogenesis 5305

in *Manduca sexta* role in moulting and metamorphosis of 4665

role in pupation of 7081

in *Myzus persicae*, effects on wing development of 593

in *Pieris brassicae* hemolymph, developmental changes in 4667

- Cholest-7-en-6-one, 2,3,14,20,22,25-hexahydroxy-** *contd.*
(2 β ,3 β ,5 β ,22 R)- *contd.*
 in *Plodia interpunctella*
 effects on imaginal disks of 1773
 inducing chitin synthesis 6294
 sensitivity of wing disks to 1134
 in *Pyrrhocoris apterus*, reversing effects of triarimol on puparium formation 5883
 in *Sarcophaga bullata*, reversing effects of triarimol on puparium formation 5883
 in *Schistocerca americana* 742
 localisation of 738
 in *Spodoptera litura*, not affecting spermiogenesis 5305
 in *Tenebrio molitor*, synthesis of 53
- Cholest-7-en-6-one, 2,3,14,20,22,26-hexahydroxy-**
(2 β ,3 β ,5 β ,22 R ,25 R)-
 with (2 β ,3 β ,5 β ,22 R ,25 S)-
 2,3,14,20,22,26-hexahydroxycholest-7-en-6-one
 in *Drosophila*, effects on imaginal disks of 1773
 in *Plodia interpunctella*, effects on imaginal disks of 1773
- Cholest-7-en-6-one, 2,3,14,20,22-pentahydroxy-**
(2 β ,3 β ,5 β ,22 R)-
 in *Bombyx mori*, effects on carotenoid uptake by silk gland of 5295
 in *Drosophila*, effects on imaginal disks of 1773
 in *Plodia interpunctella*, effects on imaginal disks of 1773
- Cholest-7-en-6-one, 2,3,14,22,25-pentahydroxy-**
(2 β ,3 β ,5 β ,22 R)- (α -ecdysone)
 in *Choristoneura fumiferana*, metabolism of 4662
 in *Drosophila*, effects on imaginal disks of 1773
 in *Drosophila melanogaster*, effects on DNA synthesis of 1772
 in *Galleria mellonella* haemolymph, effects on ions of 1751
 in *Hyalophora cecropia*, dependence of differentiation on 2448
 in *Locusta migratoria*
 activity pattern of 2687
 effects of prothoracectomy on 161
 in *Mamestra brassicae*
 accelerating spermiogenesis 5305
 effects on wing disks of 2386
 relation of prothoracic gland activity and 1130
 in *Musca domestica*, enzyme induction by 1655
- Cholest-7-en-6-one, 2,3,14,22,25-pentahydroxy-** *contd.*
(2 β ,3 β ,5 β ,22 R)- *contd.*
 in *Pectinophora gossypiella*, role in diapause of 6504
 in *Pieris brassicae*
 correlation of pupal-adult transformation and 5258
 relation of imaginal disk growth and 4028
 in *Pieris brassicae* hemolymph, developmental changes in 4667
 in *Plodia interpunctella*, effects on imaginal disks of 1773
 in *Spodoptera litura*, accelerating spermiogenesis 5305
 in *Tenebrio molitor*, synthesis of 53
 insect control using 1601
- Cholest-7-en-6-one, 3,14,20,22,25-pentahydroxy-**
(3 β ,5 β ,22 R)-
 in *Drosophila*, effects on imaginal disks of 1773
 in *Plodia interpunctella*, effects on imaginal disks of 1773
- Cholest-7-en-6-one, 2,14,22,25-tetrahydroxy-**
(2 β ,5 β ,22 R)-, in *Choristoneura fumiferana*, metabolism of α -ecdysone to 4662
- Cholesterin** (see Cholest-5-en-3-ol, (3 β)-)
Cholesterol (see Cholest-5-en-3-ol, (3 β)-)
Cholesteryl chloride (see Cholest-5-ene, 3-chloro-, (3 β)-)
Cholesteryl fluoride (see Cholest-5-ene, 3-fluoro-, (3 β)-)
Choline (see Ethanaminium, 2-hydroxy-*N,N,N*-trimethyl-)
Choline, acetyl- (see Ethanaminium, 2-(acetyloxy)-*N,N,N*-trimethyl-)
Choline, chloro- (see Chlormequat)
- Chondrilla juncea**
Aceria chondrillae on, and biological control using, in Australia 2754
Cystiphora schmidtii on, and biological control using, in Australia 2754
 natural enemies of 1330
Puccinia chondrillina in, and biological control using, in Australia 2754
- chondrillae, Aceria**
Chorebus
 parasitising
Hydrellia griseola, in California 4794
H. philippina, in Kerala 4794
- Chorinaeus**
 keys to 7018
 parasitising, Lepidoptera 7018
 taxonomy of
 characters for 7018
 revision of 7018
- Chorinaeus cristator**
 hosts of 7018
 taxonomy of 7018

Chorinaeus funebris

- biology of 1294
- development in 1896
- in France 1294
- in Italy 1294
- in Switzerland 1294, 1896
- overwintering in 1896
- parasitising

- Lepidoptera 1294

- Zeiraphera diniana* 7018

- in Alps 1294

- in Switzerland 1896

- taxonomy of 7018

Chorinaeus hastianae

- sp. nov., description of 7018
- parasitising, *Acleris hastiana* 7018

Chorinaeus longicornis

- parasitising, *Choristoneura murinana* 7018

- taxonomy of 7018

Chorinaeus talpa

- parasitising, *Spilonota laricana* 7018
- taxonomy of 7018

Chorinaeus tricarinatus* (see *Triceus*)**Chorinaeus xanthopsis***

- parasitising, *Operophtera brumata* 7018
- taxonomy of 7018

Choristoneura conflictana

- on *Populus tremuloides*, in North America 4720

- pupae of, distinguishing sexes of 4720

Choristoneura diversana

- in Japan 1094
- parasitised by, *Coccygomimus aquilonius*, in Japan 1094

Choristoneura fumiferana

- Bacillus thuringiensis* in 1582
- dispersal of δ -endotoxin of 1581
- chemoreceptors in 4055
- control of 6836

- Bacillus thuringiensis* for 495, 6819, 7428, 7435

- bacteria for 917

- by spraying flying swarms 7505

- evaluating insecticides for 4162

- insecticide-pathogen mixtures for 3292, 5671

- insecticides for 913, 917, 2545, 3046, 3302–3303, 5206, 5682, 5816

- mating disruption for 3742

- ULV sprays for 7514

- cytoplasmic polyhedrosis virus in, persistence of 6851

- diflubenzuron in, effects on cuticle development of 3046

- digestive enzymes in 3031

- egg-masses of, surveying of 3743

- eggs of, effects of JH mimics on 3341

- entomopox virus in

- and biological control using, in Ontario 6851

- development of infection with 469

***Choristoneura fumiferana* contd.**

- entomopox virus in contd.

- persistence of 6851

- flight activity in 5040

- in Canada 193, 495, 913, 917, 2545,

- 3302–3303, 3742–3743, 3756, 4789,

- 5206, 5671, 5682, 5816, 6223–6224,

- 6848–6851, 7428, 7435, 7505, 7514

- in USA 434, 4162, 5437

- mating in 3756

- moulting hormones in 4662

- Nosema fumiferanae* in, and biological

- control using, in Ontario 6223–6224

- nuclear polyhedrosis virus in 2241

- and biological control using, in Ontario

- 6848–6850

- persistence of 6851

- nutrition of 3031

- on *Abies*

- in North America 6836

- in Ontario 3742

- in Quebec 5682

- on *Abies balsamea*

- damage caused by 434

- in Maine 4162, 5437

- in Minnesota 434

- in Newfoundland 3743

- in Ontario 5671, 6848–6851, 7428

- in Quebec 495, 7435

- on *Fagus grandifolia*, in Maine 5437

- on *Picea*

- in Maine 5437

- in North America 6836

- in Ontario 3742

- in Quebec 5682

- on *Picea glauca*

- in Manitoba 913, 5206

- in Ontario 5671, 6223–6224,

- 6848–6851

- on *Tsuga canadensis*, in Maine 5437

- oviposition in 5040

- parasites of

- effects of forest density and composition

- on 5437

- effects of insecticide-pathogen mixtures

- on 5671

- in Maine 5437

- parasitised by

- Apanteles absonus*, in Canada 193

- A. fumiferanae*, in Canada 193

- A. morrisi*, in Canada 193

- A. petrovae*, in Canada 193

- preyed on by, *Seiurus aurocapillus*, in Ontario 4789

- pupal development in 3756

- research on 4743

- traps for 3742

Choristoneura murinana

- in Czechoslovakia 3067

- on *Abies alba*, development of 3067

- on *Abies balsamea*, development of 3067

***Choristoneura murinana* contd.**

- on *Abies nordmanniana*, development of 3067
- on *Picea omorika*, development of 3067
- on *Picea orientalis*, development of 3067
- on *Pseudotsuga menziesii*, development of 3067
- parasitised by, *Chorinaeus longicornis* 7018

Choristoneura occidentalis

- biology of 5009
- control of, insecticides for 4408, 6821
- in USA 4408, 5009
- on *Abies grandis*
 - in Idaho 4408
 - in Rocky Mountains 5009
- on *Abies lasiocarpa*, in Rocky Mountains 5009
- on *Larix occidentalis*, in Rocky Mountains 5009
- on *Picea engelmannii*, in Rocky Mountains 5009
- on *Pinus ponderosa*, in Rocky Mountains 5009
- on *Pseudotsuga menziesii*
 - in Idaho 4408
 - in Rocky Mountains 5009
- on *Tsuga heterophylla*, in Rocky Mountains 5009

Choristoneura pinus

- in Canada 193
- in USA 920, 3479, 6839
- on *Pinus banksiana*, in Michigan 920, 3479
- on *Pinus resinosa*, in Minnesota 6839
- parasitised by
 - Apanteles morrissi*, in Canada 193
 - A. petrovae*, in Canada 193
- preyed on by
 - Molothrus ater*, in Michigan 3479
 - Parus atricapillus*, in Michigan 3479
 - Spizella passerina*, in Michigan 920, 3479

Choristoneura rosaceana

- control of, traps for 2884
- in USA 2884, 6730
- on apple
 - in New York 2884
 - in USA 6730

***Choristoneura sorbiana*, preyed on by,**

Formica polyctena 1266

Chorthippus*, in Siberia 650**Chorthippus apricarius*, in USSR 7175*****Chorthippus biguttulus***

- development in 5416
- in USSR 7175

Chorthippus latipennis

- in Japan 3600
- in grassland, in Japan 3600
- population density of 3600

Chorthippus parallelus*, food-plants of, selection of 169**Chortoicetes terminifera***

- control of, insecticides for 5987
- eggs of, control of water entry in 6466
- feeding behaviour in 1863, 2685, 4757
- in Australia 1233, 4188
- liquid ingestion in 5419
- outbreaks of 4188
- research on 4743
- traps for 1233
- water relations of, effects of diet on 1255

Chortophila brassicae* (see *Delia*)**Chosenia arbutifolia*, *Dorytomus* spp. on, in USSR 7023*****chotanica*, *Phyllotreta******Chromaphis juglandicola***

- in USA 1413, 3177
- on *Juglans regia*, in California 3177
- on walnut, in California 1413
- parasitised by, *Trioxys pallidus*, and biological control using, in California 1413, 3177

Chromated copper arsenate (see Arsenic acid (H_3AsO_4), copper(2+) salt (2:3), with chromic acid ($H_2Cr_2O_7$) disodium salt)**Chromium**

- in *Solenopsis invicta* 2697
- in *Solenopsis invicta* queens 5311

Chromium chloride ($CrCl_3$), against, *Tetranychus urticae*, on *Phaseolus* 6935**Chromosomes**

- Adoxophyes orana* 4086
- aphids 6515
- Brevipalpus obovatus* 2453
- Callirhytis pomiformis* 4077
- Drosophila melanogaster* 2454, 3242, 6514
- Hylemya antiqua* 2460, 3243
- mouse 7674
- Myzus persicae* 1110, 4078
- Rhynchosciara angelae* 1585
- Spodoptera exigua* 2452
- Termitidae 4815
- Tetranychus urticae* 3247, 6378, 7095
- Voria ruralis* 2451
- Zonocerus variegatus* 1254

Chrotogonus senegalensis

- in Nigeria 5423
- on millet, in Nigeria 5423

Chrotogonus trachypterus

- in India 1262
- population dynamics of 1262

Chrozophora rottleri*, *Dysdercus cingulatus* on, in Maharashtra 4818, 7215**Chrysocharidia fimbriata*, taxonomy of, synonym of *Achrysocharis lyonetiae* 4598*****chrysanthemi*, *Phleotrichophorus***

- Chrysanthemic acid (2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid)**
- in rat, resmethrin metabolite 1695

Chrysanthemic acid *contd.*

- resmethrin photoproduct 534
- (1*R-trans*)-, in rat, toxicity of 534
- [2,5-dihydro-5-hydroxy-2-oxo-5-(phenylmethyl)-3-furanyl]methyl ester, resmethrin photoproduct 534
- [2,5-dihydro-5-oxo-2-(phenylmethoxy)-3-furanyl]methyl ester, resmethrin photoproduct 534
- (5-hydroxy-3-oxo-4-phenyl-1-cyclopenten-1-yl)methyl ester, resmethrin photoproduct 534
- (3-phenoxyphenyl)methyl ester, photodecomposition of 534
- (3-phenoxyphenyl)methyl ester, (1*R-cis*)-, against, *Choristoneura occidentalis* 6821

Chrysanthemum

- Brachycaudus helichrysi* on, in England 7581
- Liriomyza sativae* on, in Ontario 6175
- Macrosiphoniella sanborni* on, in England 7581
- Myzus persicae* on 768
 - in England 3939, 7581
 - in Norway 205
 - in UK 6427
- Otiorynchus sulcatus* on, in Northern Ireland 5978
- pest control on, biological 798
- pests of, in England 3938
- Phytomyza syngenesiae* on, in England 3939
- Symphyla on, in UK 4194
- Tetranychus urticae* on, in England 3939

Chrysanthemum

- arthropod pests of, in UK 545
- Macrosiphoniella sanborni* on, in Chile 3356

Chrysanthemum carinatum, green petal disease, causal agent in, symptoms of 5719**Chrysanthemum cinerariaefolium**

- Haplothrips reuteri* on, in Bulgaria 1333
- H. setiger* on, in Bulgaria 1333

Chrysanthemum indicum

- tomato aspermy virus in
- in New Zealand 5071
- symptoms of 5071

Chrysanthemum morifolium, *Coleophora kurokoi* on, in Japan 562**chryseis**, *Omphale***Chryseria helluo**

- biology of 6353
- in Bulgaria 1347
- in USSR 6353, 6636
- parasitising

Eurygaster integriceps 5308

in Bulgaria 1347

in Kabardino-Balkaria 6353

in USSR 6636

Chrysidiidae, in British Isles 5231**chrysippus**, *Danaus*, (*Danais*)**Chrysobothris**, in Europe 6443**Chrysobothris affinis**

- distribution of 6443
- food-plants of 6443
- larvae of 6443

Chrysobothris chrysostigma

- distribution of 6443
- food-plants of 6443
- larvae of 6443

Chrysobothris igniventris

- distribution of 6443
- food-plants of 6443
- larvae of 6443

Chrysobothris picklesi

- in Grenada 5399
- on lime (*Citrus*), in Grenada 5399

Chrysobothris solieri

- distribution of 6443
- food-plants of 6443
- larvae of 6443

chrysocephalus, *Psylliodes***Chrysocharis**, parasitising, *Phytobia incisa*, in Bulgaria 279**Chrysocharis johnsoni**

- biology of 1297
- descriptions of 1297
- parasitising, *Henosepilachna vigintioctopunctata* 1297

Chrysocharis lamellata, taxonomy of, transferred to *Cotterellia* 5450**Chrysocharis larinellae**

- in UK 4805
- in USA 4805
- parasitising, *Coleophora laricella* 4805
- taxonomy of 4805

Chrysocharis larinellae × *C. nitetis* 4805**Chrysocharis larinellae** × *C. novellus* 4805**Chrysocharis nitetis**

- in Sweden 4805
- parasitising, *Fenusa pusilla*, and biological control using, in Canada 1883
- taxonomy of 4805

Chrysocharis nitetis × *C. larinellae* 4805**Chrysocharis nitetis** × *C. novellus* 4805**Chrysocharis novellus**

- in Austria 4805
- taxonomy of 4805

Chrysocharis novellus × *C. larinellae* 4805**Chrysocharis novellus** × *C. nitetis* 4805**Chrysocharis polyzo**

- in Bulgaria 279
- parasitising, *Phytobia incisa*, in Bulgaria 279

Chrysocharis prodice

- in Netherlands 7536
- parasitising, *Stigmella malella*, in Netherlands 7536

Chrysodeixis acuta, traps for 1224**Chrysodeixis argentifera** (see *Plusia*)

Chrysodeixis chalcites (see also *Plusia chalcites*)

- in Egypt 3690
- in France 6882
- in India 6882
- nuclear polyhedrosis virus in
 - effects of 6882
 - in Tamil Nadu 6882
- on *Flaveria australasica*, in Tamil Nadu 6882
- on groundnut, in Tamil Nadu 6882
- on tomato, in Egypt 3690
- seasonal abundance of 3690
- traps for 1224

Chrysomela gypsophila

- biology of 5479
- in Yugoslavia 5479
- on *Antirrhinum*, development of 5479
- on *Linaria dalmatica*, in Yugoslavia 5479

Chrysomela scripta

- control of, insecticides for 7433
- on *Populus* 7433

Chrysomelidae

- in Bulgaria 4611
- in Japan 6554
- in Kazakhstan 7183
- in Mongolia 4142
- in Venezuela 5847
- on sugar-beet, in Kirghizia 6783

chrysomelinus, Tachyporus**chrysomphali, Aphytis****Chrysomphalus aonidium**

- control of, insecticides for 333–335, 5111
- in Australia 333
- in Egypt 334–335, 5111, 7283
- in Taiwan 3636
- on *Citrus*
 - in Egypt 334–335
 - in Taiwan 3636
- on orange, in Egypt 5111
- parasites of, effects of insecticides on 5111
- parasitised by
 - Aphytis holoxanthus*, in Taiwan 3636
 - Habrolepis pascuorum*, in Egypt 5111
- preyed on by
 - Cybocephalus* spp. 2721
 - Scymnus interruptus* 179

Chrysomphalus bifasciculatus, preyed on by,

- Chilocorus kuwanae* 1229

Chrysomphalus dictyospermi

- in Greece 5103
- in Italy 5102, 5106
- in Turkey 5104
- on *Citrus*
 - in Greece 5103
 - in Italy 5102, 5106
 - in Turkey 5104
- parasitised by
 - Aphytis chilensis*, in Italy 5102

Chrysomphalus dictyospermi contd.

parasitised by *contd.*

*Aphytis contd.**A. melinus*

- and biological control using, in
 - Greece 5103
 - in Turkey 5104

Aspidiotiphagus citrinus, in Turkey 5104**Chrysomphalus ficus** (see *C. aonidium*)**Chrysopa**

- attractants for 4174
- disulfoton in, toxicity of 3202
- feeding behaviour in 768
- in cotton fields
 - effects of interplanted grain crops on 3706
 - in Mexico 3699
 - in South Africa 5469
- in olive groves, effects of insecticides on 1643
- in sorghum fields, in Texas 7276
- in soy-bean fields, in South Carolina 365
- insect control using 971
- insecticides in, toxicity of 3915
- nutrition of 768
- parasitised by

Habryllia cosmeta, in Brazil 1884*Isodromus timberlakei*, in South Africa 5951*Tetrastichus* spp., in South Africa 5951

preying on

Aleurocanthus woglumi, in El Salvador 1429

aphids, in Italy 1407

Heliothis virescens, in Oklahoma 3706*H. zea*, in Oklahoma 3706*Phthorimaea operculella*, in South Africa 5951*Saissetia oleae*, in Italy 1643

Tetranychidae, in Missouri 4803

searching behaviour in 768

seasonal abundance of 365, 3699

Chrysopa carnea

- biological control using 971, 6354–6355
- biology of 803, 1309, 3753, 6021
- development in 647, 804
- diapause in 647, 4704
 - effects on stored sperm of 3451
- dietary requirements of 1309
- feeding behaviour in 768, 6355
- in Austria 932, 3753
- in Bulgaria 1499, 1504, 2262, 5650
- in Canada 1309
- in Egypt 1381, 4360, 4836, 5531
- in India 6009
- in Pakistan 1338
- in USA 1309, 3712, 4803, 5528
- in USSR 5459, 6354–6355, 6920
- in Yugoslavia 4326, 6546

***Chrysopa carnea* contd.**

- in cotton fields
 - effects of insecticides on 3712
 - in California 3712
- in maize fields, in Egypt 4836
- in *Trifolium alexandrinum* fields, in Egypt 5531
- insecticides in, toxicity of 1499
- larvae of 551
- nicotine in, toxicity of 5635
- nutrition of 768
- parasitised by, *Telenomus* spp., in Gujarat 6009
- pesticides in, toxicity of 5205
- phenological adaptations in 5350
- photoperiodic reactions in 5350
- prey of 5459
- preyed on by, *Lasius niger*, in Finland 5635
- preying on
 - Acyrtosiphon pisum*
 - in Bulgaria 2262
 - in California 5528
- aphids
 - and biological control using 974
 - in UK 798
 - in Austria 3753
- Aphis gossypii*, in Egypt 4360
- Cinara piceae* 3753
 - in Austria 932
- C. pilicornis* 3753
- Eurygaster integriceps*, in Pakistan 1338
- Heliethis armigera*
 - and biological control using, in USSR 3854
 - in Tadzhikistan 6920
- H. virescens* 768
- H. zea* 768
- Hyphantria cunea*, in Yugoslavia 6546
- Macrosiphum euphorbiae*, and
 - biological control using, in Finland 5635
- M. rosae*, in Bulgaria 1499, 1504
- Mamestra brassicae* 4731
- Mycetaspis personata*, in Egypt 1381
- Myzus persicae* 768
 - and biological control using, in Finland 5635
- Panonychus citri*, in Yugoslavia 4326
- Plodia interpunctella* 4731
- Pseudococcus maritimus* 768
- Sitotroga cerealella* 3507, 4731
- Tetranychidae, in Missouri 4803
- Therioaphis trifolii*, in California 5528
- Thrips tabaci*, in Bulgaria 5650
- rearing of, techniques for 3507, 4731
- reproduction in 647, 804
- searching behaviour in 768
- seasonal abundance of 4836
- taxonomy of, *Chrysopa mohave*
 - considered a synonym of 1309

***Chrysopa carnea* contd.**

- thiofanox in, toxicity of 535
- univoltinism in, control of 6008
- group of, in North America 551
- Chrysopa comanche***, larvae of 551
- Chrysopa downesi***
 - diapause in 5350
 - effects of photoperiod on 4704
 - in USA 4704
 - phenological adaptations in 5350
 - photoperiodic reactions in 5350
 - univoltinism in, control of 6008
- Chrysopa externa***, larvae of 551
- Chrysopa formosa***, in USSR 5459
- Chrysopa harrisii***
 - development in 187
 - diapause in 187
 - in USA 187
 - overwintering in 187
 - phenological adaptations in 5350
 - photoperiodic reactions in 5350
- Chrysopa lanata***
 - biology of 780
 - distribution of 780
 - preying on, *Trichoplusia ni* 780
- Chrysopa mohave***
 - biology of 1309
 - dietary requirements of 1309
 - in USA 1309
 - taxonomy of, considered a synonym of *C. carnea* 1309
- Chrysopa nipponensis***
 - in Japan 870
 - preying on, *Mamestra brassicae*, in Japan 870
- Chrysopa perla***
 - in USSR 5980
 - preying on
 - aphids, and biological control using, in Poland 2919
 - Hyphantria cunea*, in Moldavia 5980
 - Mamestra brassicae*, and biological control using, in Poland 2919
 - Pieris* spp., and biological control using, in Poland 2919
- Chrysopa rufilabris***
 - in USA 4803
 - larvae of 551
 - preying on, Tetranychidae, in Missouri 4803
- Chrysopa septempunctata***
 - in Japan 3836
 - in USSR 5459
 - preying on
 - Brevicoryne brassicae*, in Japan 3836
 - Myzus persicae*, in Japan 3836
- Chrysopa signata***
 - in Australia 333
 - preying on, *Ceroplastes rubens*, in Queensland 333
- Chrysopa vulgaris*** (see *C. carnea*)

Chrysopa zastrowi

- biology of 4223
- endosulfan in, toxicity of 5469
- in South Africa 4223, 5469
- in cotton fields, in South Africa 4223, 5469

- monocrotophos in, toxicity of 5469
- preying on

- Brevicoryne brassicae* 4223
- Phthorimaea operculella* 4223
- Planococcus citri* 4223
- Schizaphis graminum* 4223
- Sitotroga cerealella* 4223

Chrysoperla*, in North America 551**Chrysophtharta agricola***

- food preferences of 6208
- in Australia 6208
- on *Eucalyptus*, in Tasmania 6208

Chrysophtharta bimaculata

- food preferences of 6208
- in Australia 6208
- on *Eucalyptus*, in Tasmania 6208

chrysophylli*, *Eriophyes***Chrysophyllum cainito*, *Eriophyes***

- chrysophylli* on, in Florida 2538

Chrysophyllum oliviforme*, *Eriophyes

- chrysophylli* on, in Florida 2538

Chrysopidae

- Bacillus thuringiensis* in, not pathogenic 6920

- in Austria 4525
- in Russian Republic 5459
- in pear orchards, in France 7546
- in rice-fields, in Peru 710
- insect control using 971
- insecticides in, toxicity of 1049
- prey of, in Rhodesia 1049
- preying on

Acyrtosiphon pisum

- in Bulgaria 2262
- in California 5528
- in Poland 2838
- in USSR 5456

aphids, in Maine 878

Brevicoryne brassicae, and biological control using 7340*Cinara piceae*, in Austria 932*Diatraea saccharalis*, in Louisiana 235*Heliothis armigera*

- in Tadzhikistan 6920
- in Thailand 3176

Lema gallaeciana, in Poland 2774*Macrosiphum rosae*, in Bulgaria 1499*Oulema melanopus*, in Poland 2774*Therioaphis trifolii*, in California 5528

- rearing of, techniques for 971, 5925
- searching behaviour in 932
- traps for 4525

Chrysopogon aciculatus* (see *Andropogon*)**chrysorrhoea*, *Euproctis******chrysos*, *Habrocytus******chrysostictos*, *Diadegma******chrysostigma*, *Chrysobothris******Chrysura pacifica***

- in USA 4695
- parasitising, *Osmia georgica*, in Tennessee 4695

Chymotrypsin

- degradation of *Bacillus thuringiensis* δ -endotoxin using 959
- in *Attagenus megatoma* mid-gut 6472
- in *Chilo infuscatellus* 2424

Cicadella viridis* (see *Tettigella*)**cicadellae*, *Gonatocerus*, (*Lymaenon*)****Cicadellidae**

- control of, insecticides for 2657, 6975, 7391
- grapevine flavescence dorée disease, causal agent in, transmission of 7481
- in Ethiopian region 2351-2352
- in New Zealand 1086
- in South Africa 3995
- in Turkey 546
- in acidic grassland, in UK 195
- in rice-fields, in Tokushima Prefecture 1354
- on apple, in France 3630
- on cotton, in Karnataka 7391
- on grasses, in North America 1101
- on lucerne, in Chile 690
- on maize, in Nigeria 6047
- on peach, in Michigan 331
- on *Prunus cerasus*, in Michigan 331
- on pulse crops 6771
- on *Vigna unguiculata*, in Nigeria 6047
- parasitised by
 - Dryinidae 6012
 - in UK 195
 - Pipunculidae, in UK 195
 - Strepsiptera, in UK 195
- preyed on by, Syrphidae, in Kenya 1897
- stylets in, amputation of 2551
- taxonomy of 3359

Cicadidae, traps for 1635**Cicadinea, taxonomy of 6433****Cicadodea, on medicinal plants, in Poland 1335*****Cicadulina bipunctella*, eleusine mosaic virus in, transmission of 4844*****Cicadulina bipunctella bipunctella***

- in India 6683
- on maize, in Karnataka 6683
- plant viruses in, transmission of 7157

Cicadulina chinai

- biology of 4828
- in Egypt 4828
- on barley, development of 4828
- on maize, in Egypt 4828
- plant viruses in, transmission of 7157

Cicadulina mbila

- in Rhodesia 282
- maize streak disease, causal agent in, transmission of 282
- on maize, in Rhodesia 282

Cicadulina parazeae

- in Rhodesia . 282
- maize streak disease, causal agent in, transmission of 282
- on maize, in Rhodesia 282

Cicadulina storeyi

- in Rhodesia 282
- maize streak disease, causal agent in, transmission of 282
- on maize, in Rhodesia 282

Cicer arietinum

- Aphis craccivora* on, feeding by 503
- Heliothis armigera* on, in Karnataka 2983
- H. virescens* on, in Peru 695, 707
- Lachnosterna consanguinea* on, in Rajasthan 999

Cicer arietinum* flour**, diet component for, *Heliothis armigera* 3495Cicer arietinum* (stored seeds)**

- Acanthoscelides obtectus* in, in Bulgaria 453
- Alphitobius diaperinus* in, not developing 6314
- Callosobruchus maculatus* in, oviposition by 3781
- phosphine in, residues of 1701

Cichorium endivia (see Endive)***Cichorium intybus*** (see Chicory)***Cicindela melancholica*** (see *Myriochile*)**Cicindelidae**

- food of 210
- in UK 6

Cicinnus callipius

- control of, insecticides for 4892
- descriptions of 5243
- in Brazil 4892, 5243
- on cashew, in Brazil 4892, 5243

Cidaria albonigrata (see *Thera variata albonigrata*)***Cidaria obeliscata*** (see *Thera*)***Cidaria variata*** (see *Thera*)**Cidial** (see Phenthoate)***Cienfuegosia*, *Anthonomus grandis*** on, in North America 1331***Cienfuegosia drummondii*, *Anthonomus grandis*** on, in Texas 1331***Cienfuegosia rosei*, *Anthonomus grandis*** on, in Mexico 1331**Cigarette smoke**, insecticides in, fate of 1064***ciliata*, *Corythucha******ciliata*, *Zygobothria******ciliatus*, *Aphytis******ciliatus*, *Dacus******cilicrura*, *Delia*** (see *D. platura*)***cilicrura*, *Hylemya*** (see *Delia platura*)***Cilix glaucata***

- in Norway 5373
- on *Prunus*, in Norway 5373

cillum*, *Spodoptera***Cinara***

- in forests, effects of malathion on 2296
- on *Pinus nigra*, in Italy 6625
- parasites of, in Italy 6625

Cinara boernerii

- hyperparasitised by, *Phaenoglyphis ruficornis*, in East Germany 1307
- in East Germany 1307
- on *Larix*, in East Germany 1307
- parasitised by, *Pauesia* spp., in East Germany 1307

Cinara cedri

- descriptions of 3727
- in Italy 3727
- in Morocco 3727
- in Turkey 3727
- on *Cedrus*
 - in Italy 3727
 - in Morocco 3727
 - in Turkey 3727

preyed on by

- Adalia bipunctata*, in Italy 3727
- Syrphidae, in Italy 3727
- taxonomy of, characters distinguishing *Cedrobium laportei* and 3727

Cinara pectinatae, on *Abies*, honeydew of 7162***Cinara piceae***

- biology of 931-932
- in Austria 931-932
- Lasius umbratus* associated with, in Austria 931-932
- on *Picea omorika*, in Austria 931-932
- predators of, in Austria 932
- preyed on by
 - Bryobia praetiosa*, in Austria 931
 - Chrysopa carnea* 3753
 - Leucopis puncticornis*, in Austria 931
 - spiders, in Austria 931

Cinara pilicornis, preyed on by, *Chrysopa carnea* 3753***Cinara pinea***

- hyperparasitised by, *Phaenoglyphis ruficornis*, in East Germany 1307
- in East Germany 1307
- on *Pinus*, in East Germany 1307
- parasitised by, *Pauesia* spp., in East Germany 1307

Cinara pini

- hyperparasitised by, *Phaenoglyphis ruficornis*, in East Germany 1307
- in East Germany 1307
- on *Pinus*, in East Germany 1307
- parasitised by, *Pauesia* spp., in East Germany 1307

Cinaropsis pilicornis (see *Cinara*)***cincticeps*, *Nephotettix******cinctipes*, *Exetastes******cinctus*, *Allantus*, (*Emphytus*)*****cinctus*, *Cephus******cinctus*, *Gelis******cinctus*, *Pselliopus***

- Cineraria*, *Parthenothrips dracaenae* on, in Bulgaria 3027
- Cineraria cruenta*, *Tetranychus desertorum* on, in China 1851
- cinerea*, *Lestremia*
- cinerea*, *Nauphoeta*
- cinerea*, *Viviania*
- cinereus*, *Atrachelus*
- cinereus*, *Crypturgus*
- cingalense*, *Paracopium*
- cingulatus*, *Dysdercus*
- cingulipes*, *Agathis*, (*Microdus*)
- Cinnabarinic acid (see 3-*H*-Phenoxazine-1,9-dicarboxylic acid, 2-amino-3-oxo-)
- cinnabarinus*, *Tetranychus*
- Cinnamaldehyde (see 2-Propenal, 3-phenyl-)
- Cinnamic acid (see 2-Propenoic acid, 3-phenyl-)
- cinnamomeus*, *Aradus*
- cinxia*, *Caliroa*
- Circadian rhythms
- Anadevidia peponis* 4128
- Anticarsia gemmatilis*
- locomotion 5909
- mating 5909
- Chilo suppressalis*
- emergence 5266
- mating 5266
- Contarinia sorghicola*, emergence 2820
- Cydia molesta*, response to sex pheromone 5283
- Dendroctonus ponderosae*, emergence 5658
- Hishimonus sellatus*
- activity 1801
- feeding 1801
- Lygus hesperus*
- activity 2490
- probing 2490
- Operophtera brumata*, activity 1163
- Psila rosae*, oviposition 2069
- Synanthedon pictipes*, calling 4109
- Teleogryllus commodus*
- locomotion 45
- stridulation 45
- Trogoderma glabrum*, sex-pheromone release 7056
- books on 7052
- circellata*, *Hordnia*
- Circulifer tenellus* (see *Neoaliturus*)
- circulus*, *Halticoptera*
- circumcincta*, *Acantholyda*
- circumflexa*, *Syngrapha*, (*Cornutiplusia*)
- circumflexum*, *Aulacorthum*
- circumflexum*, *Therion*
- circumflexus*, *Neomyzus* (see *Aulacorthum circumflexum*)
- circumscriptus*, *Apanteles*
- Ciriacremini*, in Ethiopian region 7184
- Cirphis unipuncta* (see *Mythimna*)
- Cirrospilus subviolaceus*
- in France 2722
- Cirrospilus subviolaceus* *contd.*
- parasitising, *Eublemma scitula*, in France 2722
- taxonomy of, synonym of *C. viticola* 3370
- Cirrospilus viticola*, taxonomy of, *Cirrospilus subviolaceus* as synonym of 3370
- Cirrospilus vittatus*
- in Italy 7553
- parasitising, *Stigmella malella*, in Italy 7553
- cirrus*, *Scaphytopius acutus*
- cirsii*, *Trioxys*
- Cirsium*
- Agapanthia villosoviridescens* on, in Italy 1979
- Terellia serratae* on 1323
- Cirsium arvense*
- insects associated with, in Canada 7214
- Lygaeus equestris* on, feeding by 634
- Ostrinia kasmirica* on, in Himachal Pradesh 3143
- Thrips tabaci* on, in Bulgaria 3700
- Urophora cardui* on, and biological control using, in Canada 4817
- Cirsium kantschaticum*
- Epilachna* spp. on, in Japan 1081
- E. pustulosa* on, in Japan 1079
- Cirsium pendulum*, *Epilachna pustulosa* on, in Japan 1079
- Cirsium vulgare*
- Platyptilia carduidactyla* on, in USA 763
- Urophora cardui* on 4817
- Cisaberoptus kenya*
- descriptions of 4187
- in Taiwan 4187
- on mango, in Taiwan 4187
- Cismethrin* ([5-(phenylmethyl)-3-furanyl]methyl (1*R*-*cis*)-2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate)
- against
- Choristoneura occidentalis* 6821
- Chortoicetes terminifera* 5987
- Lasioderma serricorne* 5798
- Leptinotarsa decemlineata* 5750
- Sitophilus granarius* 5798
- S. oryzae* 5798
- Stegobium paniceum* 5798
- Trialeurodes vaporariorum*
- on eggplant 5750
- on tomato 5750
- Tribolium castaneum* 5798
- in rat, metabolism of 1695
- synergists for, piperonyl butoxide as 5750, 5798
- with oil emulsion, against, *Tribolium castaneum* 5798
- Cistus*, *Lecanodiaspis sardoa* on, in France 2722

Citharinus (dried)*Dermestes maculatus* in, in Nigeria 4426*Necrobia rufipes* in, in Nigeria 4426**Citral** (see 2,6-Octadienal, 3,7-dimethyl-)*citrana*, *Argyrotaenia***Citrange**, *Diaprepes abbreviatus* on,
resistance to 2892**Citrazone** (see Benzoximate)*citrella*, *Phyllocnistis**citri*, *Dialeurodes**citri*, *Diaphorina**citri*, *Panonychus**citri*, *Planococcus**citri*, *Prays**citri*, *Scirtothrips***Citric acid** (see 1,2,3-Propanetricarboxylic
acid, 2-hydroxy-)**Citric acid cycle** (see Tricarboxylic acid
cycle)*citricida*, *Toxoptera**citricola*, *Aphis**citricola*, *Bemisia**citriculus*, *Pseudococcus**citrifolii*, *Calacarus**citrifolii*, *Dialeurodes**citrina*, *Aonidiella*

(Aspidiotus)

citrinus, *Aspidiotiphagus***Citron** (see *Citrus medica*)**Citronellal acid** (see 6-Octenoic acid, 3,7-
dimethyl-, (+)-)**Citrulline** (see L-Ornithine, N^ε-
(aminocarbonyl)-)*Citrullus vulgaris* (see Watermelon)**Citrus** (see also English names of individual
species and hybrids)*Aceria sheldoni* on
damage caused by 6745
in Cyprus 6745*Aleurocanthus spiniferus* on 2667
in Taiwan 6748*A. woglumi* on
in El Salvador 1429
in Venezuela 338*Aleurothrixus floccosus* on
distribution pattern of 6751
in France 6128
in Morocco 6124
in Spain 4915, 6751*Aonidiella* spp. on, in Morocco 5107*A. aurantii* on 137
in California 4914
in Cyprus 3971
in Egypt 334–335
in France 5098
in Greece 5103
in Japan 5101
in Morocco 5110
in South Africa 5955–5956
in South Australia 2898, 3639, 5577
in Spain 2535
in Swaziland 5221**Citrus** contd.*Aonidiella aurantii* on contd.

in Turkey 5104

in USA 3940

A. citrina on

in Turkey 5104

in West Africa 5100

aphids on, in Italy 6746

Archips rosanus on, in Greece 4913

arthropod pests of, in Mozambique 6750

Aspidiotus nerii on

in Italy 5102

in Sicily 6136–6137

Brevipalpus obovatus on, in Egypt 3440*B. phoenicis* on, in USA 6805*Calacarus citrifolii* on, in South Africa
5945*Ceratitidis capitata* on

in California 4143–4144

in Florida 4143

in Israel 5133

in Texas 4143

in Tunisia 494

Ceroplastes floridensis on, in Egypt
334–335*C. rubens* on, in Queensland 333*C. sinensis* on, in France 2722*Chrysomphalus aonidum* on

in Egypt 334–335

in Taiwan 3636

C. dictyospermi on

in Greece 5103

in Italy 5102, 5106

in Turkey 5104

citrus vein-phloem degeneration disease,
causal agent in, in Java 727*Coccus aegaeus* on

in Greece 6121

in Italy 1426

C. hesperidum on

in Corsica 5108

in France 2722

in New South Wales 5917

in Turkey 1427

C. pseudomagnoliarum on 4328

in Turkey 1427, 6122, 6131

Dialeurodes citri on

effects of tree spacing on 2026

in Himachal Pradesh 2026, 5584

in USSR 7325

D. citrifolii on, in Brazil 2025*Diaphorina citri* on

in India 6803

in Java 727

in Philippines 6747

Diaprepes abbreviatus on

development of 5253

in Florida 654, 3830

dicofol in, residues of 5945

dimethoate in, residues of 1687

Dorylus orientalis on, damage caused by
6610

Citrus contd.

- Euproctis fraterna* on
feeding preferences of 4653
in Punjab 4653
- Eurypepla calochroma* on, in USA 7141
- Gascardia destructor* on
in Queensland 2895
in USA 3940
- Icerya purchasi* on, effects of volcanic ash
on 5579
- Insulaspis gloverii* on, in West Africa
5100
- Lepidosaphes beekii* on
in Egypt 334-335
in France 6127
in Italy 5106
in New Caledonia 4798
in Peru 708
in Texas 4324
in West Africa 5100
- mealybugs on 767
- monocrotophos in, residues of 6749
- nematodes in, in Greece 5096
- Nezara viridula* on, in Egypt 851
- Ophiusa tirhaca* on, in India 3516
- Pachnaeus litus* on, in Florida 654
- P. opalus* on, in Florida 654
- Panonychus citri* on
damage caused by 1428
development of 850
distribution pattern of 336
in Brazil 1428
in California 955
in Japan 3940
in South Africa 5945
in USA 3940
in Yugoslavia 4326
- Pantomorus cervinus* on, in Florida 654
- P. glaucus* on, in Brazil 4760
- Paraleyrodes bondari* on, in Brazil 2025
- Parlatoria ziziphus* on, in West Africa
5100
- pest control on 5113
biological 6354
in California 337
in Kwangtung Province 2029
in Mozambique 6750
use of irrigation in 5582
- pests of
in Bangladesh 4180
in Greece 5096
- Phyllocoptruta oleivora* on 6358
damage caused by 6745
in Cyprus 6745
in South Africa 2030
in Texas 3139
- Pinnaspis aspidistrae* on, in Colombia
5532
- P. strachani* on, in Colombia 5532
- Planococcus citri* on
in Cyprus 3971
in Italy 5106, 6132, 6542, 6905

Citrus contd.

- Planococcus citri* on contd.
in Peru 701
- Prays citri* on, in Cyprus 3971
- Pseudococcus calceolariae* on, in Italy
6542
- Quadraspidiotus perniciosus* on, in Japan
5101
- Saissetia oleae* on
in Corsica 5108
in Crete 6130
in France 2722
in Greece 5103
in Israel 7324
in Italy 5106
in Turkey 5105, 6122
- Scaphytopius nitridus* on, in California
3118
- Scirtothrips aurantii* on, in South Africa
5955
- S. citri* on
assessing infestations of 4325
in California 4325
- Selenaspides articulatus* on, in Peru 1098
- Sibine nesea* on, in Brazil 3696
- Tetranychidae on, in Japan 3838
- thrips on, in South Africa 5944
- Tortrix capensana* on
damage caused by 5957
in South Africa 5957
- Toxoptera aurantii* on, in São Tomé
4208
- T. citricida* on, in South Africa 4912
- Unaspis citri* on
in Colombia 5532
in West Africa 5100
- U. yanonensis* on
in Japan 5101, 5581
in Kagoshima Prefecture 1894
- Zonocerus variegatus* on, in Nigeria 6605
- Citrus aurantifolia* (see Lime (*Citrus aurantifolia*))
- Citrus aurantium* (see Orange, sour)
- Citrus grandis*
- Aceria sheldoni* on, effects of plant
nutrition on 2896
- Empoasca citrura* on, in South Africa
1430
- Parlatoria pergandii* on, in Nigeria 3635
- Phyllocoptruta oleivora* on, in Taiwan
4187
- Citrus groves**
- Amblyseius swirskii* in, feeding on weed
pollen 7217
- arthropods in
in Hong Kong 3172
in Kwangtung Province 2029
in Philippines 3172
in Thailand 3172
- insect associations in 5580
- insecticides in, non-target effects of 5111
- parathion in, residues of 4565

Citrus groves *contd.*

predatory mites in, in Japan 336

spiders in, in Florida 4186

Citrus jambhiri*Aonidiella aurantii* on, susceptibility to 3638*Diaprepes abbreviatus* on, resistance to 2892**Citrus leaf-mottle-yellows virus**, in,*Diaphorina citri*, transmission of 6747**Citrus leaf mottling disease (Philippines)**(see *Citrus* leaf-mottle-yellows virus)**Citrus limettioides**

citrus tristeza virus in, aphid transmission of 4912

Toxoptera citricida on, in South Africa 4912**Citrus limon** (see *Lemon*)**Citrus limonia***Coccus hesperidum* on, rearing of 6129*Saissetia oleae* on

distribution pattern of 5109

in Tunisia 5109

Citrus medica*Anartia jatrophae* on, in Brazil 5243*Coccus hesperidum* on, rearing of 6129**Citrus mitis***Aleurocanthus woglumi* on, in Florida 6744*Diaphorina citri* on, in Philippines 1078**Citrus natsudaoidai***Chloropulvinaria aurantii* on

in Japan 3850

in Yamaguchi Prefecture 339

Panonychus citri on

in Japan 3850

in Yamaguchi Prefecture 339

Unaspis yanonensis on

in Japan 3850

in Yamaguchi Prefecture 339

Citrus paradisi (see *Grapefruit*)**Citrus pulp**diet component for, *Anastrepha suspensa* 3218*Ephestia cautella* in, in Florida 441**Citrus reticulata** (see *Mandarin* and *tangerine*)**Citrus seedling yellows** 4912**Citrus sinensis** (see *Orange*)**Citrus stem-pitting** 4912**Citrus** (stored fruit), fumigation of, standards for 6926**Citrus stubborn disease** (see also*Spiroplasma citri*)**Citrus tankan**, *Phyllocoptuta oleivora* on, in Taiwan 4187**Citrus tristeza virus**

components of 4912

in, *Toxoptera citricida*, transmission of 4912**Citrus vein-phloem degeneration disease**

causal agent

in

Citrus, in Java 727*Diaphorina citri*

in Java 727

transmission of 727

citrusa, *Empoasca***CL-47031** (see *Phosfolan*)**Cladius pectinicornis**

in Poland 1503

on rose, in Poland 1503

Cladosporium herbarum

in

Aleurodicus cocois

biological control with 2005

in Brazil 2005

Clam, metalkamate in, effects of 523**Clam**, bent-nosed (see *Macoma nasuta*)**Clam**, marsh (see *Rangia cuneata*)**Clania crameri**

morphology of 4996

on ornamental plants 4996

clareae, *Tropilaelaps***Clarias** (dried)*Dermestes maculatus* in, in Nigeria 4426*Necrobia rufipes* in, in Nigeria 4426**clarioralis**, *Dioryctria***claripalpis**, *Paratheresia***clarithorax**, *Camponotus***clariventris**, *Crematogaster***clarki**, *Imbrasia cytherea***clarus**, *Epargyreus***Claspettomys montana**

in Netherlands 1248

on chicory, in Netherlands 1248

clathrata, *Semiothisa***Clausenia lansium**, *Diaphorina citri* on, in China 6803**Clausenia purpurea**

intraspecific competition in 5366

parasitising, *Pseudococcus comstocki* 5366**Clavaspis crypta**

sp. n., description of 318

in USA 318

on pecan, in Georgia (USA) 318

Clavaspis disclosa

in USA 318

on walnut, in California 318

clavata, *Plagiometriona***Claviceps purpurea***Acylopus* spp. on

damage caused by 6034

development of 6034

clavifer, *Helopeltis***claviger**, *Duplaspidiotus***Clemelis pullata**

in USSR 5980

parasitising, *Hyphantria cunea*, in Moldavia 5980**Clementine** (see *Mandarin* and *tangerine*)

- Cleonus mendicus** (see *Conorhynchus*)
- Clepsis spectrana**
feeding preferences of 2849
in UK 2849
on strawberry, in England 2849
sex pheromone of 4627
- Cloridae**
parasitising, *Ips* spp., in Georgia (USA) 1273
preying on
bark beetles, in USSR 6627
Phloeosinus dentatus 3037
- clerkella, Lyonetia**
- clerodendri, Aphis**
- Clerodendron calamitosum**, antifeedant
activity of extracts of 3347
- Clerodendron crytophyllum**, antifeedant
activity of extracts of 3347
- Clerodendron fragrans**
Agrius convolvuli on, in Karnataka 1882
antifeedant activity of extracts of 3347
- Clerodendron inerme, Poecillocerus pictus**
on, in Haryana 7169
- Clerodendron infortunatum**, chopped leaves
of, against, *Sitotroga cerealella* 937
- Clethrionomys glareolus**
carbaryl in, effects on reproduction of 6971
dieldrin in, residues of 1060
in wheat fields, in UK 1060
mercury in, residues of 1060
- Clinocardium nuttallii**, DDE in, residues of 6409
- clisiocampae, Oencyrtus**
- clitellarius, Colladonus**
- Clivina fossor**
in Poland 1602
in West Germany 6007
insecticides in, toxicity of 1602
on beet, damage caused by 6007
- clivinoides, Barypus**
- Clofibrate** (ethyl 2-(4-chlorophenoxy)-2-methylpropanoate)
in *Dermestes maculatus* diet, inhibiting development 1631
- Clostera anastomosis** (see *Pygaera*)
- Closterocerus africanus**, parasitising,
Coelaenomenodera elaeidis, in West Africa 1166
- Clothing**, insect pests of, changes in status of 6237
- Clove (Syzygium aromaticum)**
- Clove oil**
for clearing *Eurygaster integriceps* eggs
for parasite detection 4812
repellent for, *Papilio demoleus* 1766
- Clover** (see *Trifolium*)
- Clover, alsike** (see *Trifolium hybridum*)
- Clover (alsike) mosaic virus**
in
aphids, transmission of 4295
lucerne 4295
- Clover, arrowleaf** (see *Trifolium vesiculosum*)
- Clover, ball** (see *Trifolium nigrescens*)
- Clover, crimson** (see *Trifolium incarnatum*)
- Clover dwarf disease** 5719
- Clover, Egyptian** (see *Trifolium alexandrinum*)
- Clover fields**
Arachnida in, in Egypt 3602
Chrysopa carnea in, in Egypt 5531
Coccinellidae in, in Finland 3546
Collembola in, in Egypt 3602
Ischiodon aegyptius in, in Egypt 5531
Metasyrphus corollae in, in Egypt 5531
Sphaerophoria rueppellii in, in Egypt 5531
spiders in, in Egypt 5412
Staphylinidae in, in Egypt 3602
- Clover, lappa** (see *Trifolium lappaceum*)
- Clover phyllody** 5719
causal agent
in
Aphrodes bicinctus, transmission of 3607
Callistephus chinensis 1576
infectivity of 3607
Macrosteles fascifrons, transmission of 1576
Trifolium repens, infectivity of 3607
- Clover, red** (see *Trifolium pratense*)
- Clover (red) vein mosaic virus**
in
aphids, transmission of 4295
lucerne 4295
- Clover, strawberry** (see *Trifolium fragiferum*)
- Clover, striate** (see *Trifolium striatum*)
- Clover, subterranean** (see *Trifolium subterraneum*)
- Clover (subterranean) stunt virus**
in
pea, in New South Wales 1451
Phaseolus, in New South Wales 1451
- Clover, white** (see *Trifolium repens*)
- Clover yellow vein virus**
in
aphids, transmission of 4295
lucerne 4295
- Clovina sarawakana**
in Malaysia 259
on sugar-cane, in Malaya 259
- Clubiona japonicola**
in Japan 1355
in rice-fields, in Tokushima Prefecture 1355
seasonal abundance of 1355
- Clubionidae**
in *Trifolium* fields, in Egypt 5412
preying on, *Thecodiplosis japonensis*, in South Korea 3488

Clupea harengus

- organochlorine insecticides in, residues of 4560
- polychlorinated biphenyls in, residues of 4560

clymeneis, Antestiopsis***clypealis, Idioscopus******clypealis, Leptoglossus******Clysia ambiguella* (see *Eupoecilia*)*****Clytiomya helluo* (see *Chryseria*)*****Clytus tropicus***

- in Poland 5662
- on *Quercus robur*, in Poland 5662

Cnaphalocrocis medinalis

- Beauveria bassiana* in, infectivity of 6694
- control of 6690

- insecticides for 713, 716, 827-828, 1356, 1951, 2811, 3290-3291

in China 2811

in Hong Kong 2809

in India 827-828, 832, 1963, 2798, 2800, 3291, 4793, 4846-4848, 4857, 6690, 7216

in Indonesia 713, 716

in Japan 7256

in Malaysia 1356, 1951

in Papua New Guinea 4852

migration in 7256

on *Oryza*, in Tamil Nadu 832

on *Pennisetum pedicellatum*, in Madhya Pradesh 7216

on rice

damage caused by 1356

effects of fertilizers on 4846-4847

in Hong Kong 2809

in India 6690

in Indonesia 713, 716

in Karnataka 4848

in Kerala 2798, 3291, 4793

in Kwangtung Province 2811

in Kyushu 7256

in Malaysia 1356, 1951

in Papua New Guinea 4852

in Tamil Nadu 827-828, 832, 1963, 2800, 4846-4847, 4857

resistance to 723, 1963, 2800, 4857
parasitised by

Apanteles syleptae, in Kerala 2798

Brachymeria excarinata, in Kerala 2798

Coelinus spp., in Kerala 2798

Elasmus spp., in Kerala 2798

Goniozus spp., in Kerala 2798

Tetrastichus israeli, in Kerala 2798

preyed on by, *Pheidole* spp., in Kerala 4793

Cnemalobus gayi

in Argentina 774

preying on, Scarabaeoidea, in Argentina 774

Cnephasia communana

attractants for 5139

***Cnephasia communana* contd.**

in Italy 5139

Cnephasia interjectana

control of, biological 4405

feeding preferences of 2849

food-plants of 4405

in Austria 4405

in UK 2849

on *Salix*, in Austria 4405

on strawberry, in England 2849

parasites of 4405

parasitised by

Campoplex mutabilis, in Austria 4405

Itopectis maculator, in Austria 4405

Cnephasia longana

biology of 4834

descriptions of 4834

in East Germany 4834

on *Lupinus luteus*, in East Germany 4834

on maize, in East Germany 4834

on rye, in East Germany 4834

Cnephasia pasiuana

Beauveria bassiana in, in Bulgaria 271

biology of 271

descriptions of 271

in Bulgaria 271

on grain crops, in Bulgaria 271

Cnephasia pumicana

in France 1243

parasitised by, *Itopectis maculator*, in France 1243

Cnephasia virgaureana* (see *C. interjectana*)**Cnicus arvense* (see *Cirsium*)*****Cnidospordia* 7431**

Nosema 6885, 7482

N. distriae 6891

N. fumiiferanae 6223-6224

N. plodiae 6480

N. pyraustae 7244-7245, 7486

Thelohania 6885

Co 755 (see Butocarboxim)***coarctata, Delia***

(*Hylemya*)

(*Leptohylemyia*)

coarctata, Scotinophara

Cobalt, ion (Co^{2+}), in *Schistocerca gregaria*, effects on central nervous ganglia of 1122

Cobalt, radioactive (^{60}Co), marker for, *Cydia pomonella* 1422-1423

cocana, Eucosma

Cocarcinogens, pesticides as 5203

Coccidae

control of, growth regulators for 6382

in Bangladesh 4180

in Brazil 1715

in Chile 691

in Hungary 5239

on *Pandanus*, in West Bengal 1909

Coccidae contd.

parasitised by

Coccophagus gurneyi, and biological control using, in USSR 6638*Prospaltella berlesei*, and biological control using, in USSR 6638

predators of, in Venezuela 209

preyed on by

Aleurodothrips fasciapennis, in West Bengal 1909*Anystis baccharum* 5995*Deraeocoris nebulosus*, in Pennsylvania 6614**Coccidobystrix insolita**

biology of 6178

control of, insecticides for 6178-6179

in India 6178

on eggplant, in Bihar 6178

on *Solanum nigrum*, in Bihar 6178on *Solanum xanthocarpum*, in Bihar 6178**Coccidula rufa**, in Finland 3546**Coccinella**, aestivation in 3604**Coccinella arcuata**

in India 289

preying on, *Nilaparvata lugens*, in Kerala 289**Coccinella quinquepunctata**

fecundity in 5451

illustrations of 1106

in Finland 3546, 5451

in Poland 1106

in USSR 5456

in orchards, in Poland 1106

preying on, *Myzus persicae* 5451**Coccinella repanda**

attraction of, to UV traps 1298

in Australia 1451

in India 1298

preying on

aphids, in New South Wales 1451

Aphis craccivora, in Mysore 1298*Therioaphis ononidis*, in Mysore 1298**Coccinella repanda transversalis** (see *C. repanda*)**Coccinella septempunctata**

endosulfan in, effects of 5195

fecundity in 5451

growth regulators in, effects of 3892

gut in, pH of 3406

illustrations of 1106

in Bulgaria 1499, 1504, 1939, 2262, 7189

in Finland 3546, 5451, 5635

in Japan 3836

in Poland 1106

in Romania 4278

in USA, introductions of 4714

in USSR 5456, 6073, 6920

in orchards, in Poland 1106

insecticides in, toxicity of 1499, 3294, 3955, 6967, 7190

Ipofos in, toxicity of 7652

Coccinella septempunctata contd.

nicotine in, toxicity of 5635

prey antigens in, detection of 5385

preying on

Acyrtosiphon pisum, in Bulgaria 2262

aphids 3294

and biological control using, in UK 798

in Bulgaria 1939

Aphis fabae 5195*Mamestra brassicae*, in Japan 3836*Heliothis armigera*, in Tadzhikistan 6920*Lipaphis erysimi* 7190*Macrosiphum euphorbiae*, in Finland 5635*M. rosae*, in Bulgaria 1499, 1504*Mamestra brassicae*, in Bulgaria 7189*Megoura viciae* 5925*Myzus persicae*

and biological control using 5451

in Finland 5635

in Japan 3836

Neodiprion sertifer 5385*Rhopalosiphum padi*, and biological control using 4835*Schizaphis graminum*

in Romania 4278

in Ukraine 6073

rearing of, techniques for 5925

Coccinella septempunctata brucki

development in, effects of prey on 1285

food preferences of 787

insecticides in, toxicity of 2282

preying on

Acyrtosiphon magnoliae 787

aphids 1285

Myzus persicae 2282*Rhopalosiphum padi* 787**Coccinella transversoguttata**

in Canada 3590

in USA 878

preying on

aphids, in Maine 878

Rhopalosiphum maidis, in Canada 3590**Coccinella undecimpunctata**

growth regulators in, effects of 3892

in Egypt 4360

in USSR 6920

preying on

Aphis gossypii, in Egypt 4360*Heliothis armigera*, in Tadzhikistan 6920**coccinellae, Perilitus****Coccinellidae***Bacillus thuringiensis* in, not pathogenic 6920

butocarboxim in, toxicity of 2659

in Finland 3546

in Moldavia 7204

Coccinellidae contd.

- in Réunion 4137
- in rice-fields, in Peru 710
- in soy-bean fields, in South Carolina 365
- insecticides in
 - effects of 5806
 - toxicity of 1049
- larval development in, effects of prey on 4778
- migration in 2622
- on sugar-beet
 - in England 4345
 - pollination by 4345
- pesticides in, toxicity of 7204
- prey of, in Rhodesia 1049
- preying on
 - Acyrtosiphon dirhodum*, in Chile 5489
 - A. pisum*
 - in Bulgaria 2262
 - in California 5528
 - in Poland 2838
 - in Russian Republic 6774
 - in USSR 5456
 - Aphanostigma iaksuiense*, in South Korea 2017
- aphids
 - and biological control using 974
 - in Maine 878
 - in Massachusetts 3647
 - models of 2533
 - Cinara piceae*, in Austria 932
 - Coccus pseudomagnoliarum*, in Turkey 6131
 - Crioceris asparagi*, in Massachusetts 3647
 - Gargaphia sanchezi*, in Colombia 4940
 - Heliothis armigera*
 - in Tadzhikistan 6920
 - in Thailand 3176
 - Kakothrips pisivorus*, in Moldavian Republic 6157
 - Lema gallaeciana*, in Poland 2774
 - Macrosiphum avenae*, in Chile 5489
 - M. rosae*, in Bulgaria 1499
 - Melanaphis sacchari*, in South Africa 5952
 - Microlophium carnosum*, in England 5480
 - Oulema melanopus*, in Poland 2774
 - rice pests, in Sierra Leone 833
 - Saissetia oleae*, in Iran 6023
 - Schizaphis graminum*, in Romania 4278
 - Scotinophara coarctata*, in Malaya 4853
 - Therioaphis trifolii*, in California 5528
 - Umbonia crassicornis* 6534
 - searching behaviour in 932
 - seasonal abundance of 365

Coccinia indica, *Bimba toombii* on, in Uttar Pradesh 2709

Coccinula quatuordecimpustulata, in USSR 5456

Coccoidea

- biology of 6447–6448
- control of, biological 5096
- distribution of 6448
- food-plants of 6448
- in Pakistan 1272
- Fusarium nivale* in, in Japan 2238
- hyperparasites of, in Pakistan 1272
- in Canada 6447
- in Chile 691
- in Denmark 6448
- in Nepal 2357
- in USA 6447
- in forests, in New Zealand 2271
- in parks, in Caucasus 6808
- Nectria episphaeria* in, in Japan 2238
- on *Citrus*
 - in Greece 5096
 - in Italy 5106
 - in West Africa 5100
- on *Digitaria decumbens*, in Puerto Rico 1975
- on pulse crops 6771
- parasites of
 - in Greece 5096
 - in Pakistan 1272
- predators of, in Pakistan 1272
- preyed on by
 - Cunaxidae 552
 - Scymnus reunioni*, in Réunion 4137
- Coccophagoides*, parasitic males of 6638
- Coccophagus**
 - parasitic males of 6638
 - parasitising
 - Coccus aegaeus*, in Italy 1426
 - Eulecanium tiliae*, in Himachal Pradesh 2873
- Coccophagus gurneyi*, parasitising, Coccidae, and biological control using, in USSR 6638
- Coccophagus ishii* 2873
- Coccophagus lycimnia*
 - autoparasitism in 1289
 - hyperparasitising, *Eulecanium tiliae*, in British Columbia 1289
 - in Canada 1289
 - in Greece 6121
 - in Lebanon 4895
 - in Spain 3641
 - in Turkey 1427
- parasitising
 - Blastothrix longipennis*, in British Columbia 1289
 - Coccus aegaeus*, in Greece 6121
 - C. hesperidum*, in Turkey 1427
 - C. pseudomagnoliarum*, in Turkey 1427
 - Didesmococcus unifasciatus*, in Lebanon 4895
 - Saissetia oleae*, in Spain 3641

- Coccophagus scutellaris***
 in Turkey 1427
 parasitising, *Coccus hesperidum*, in Turkey 1427
- Coccotrypes***
 food-plants of 2148
 in Malaysia 2148
- Coccus aegaeus***
 biology of 1426, 6121
 in Greece 6121
 in Italy 1426
 on *Citrus*
 in Greece 6121
 in Italy 1426
 parasitised by
 Coccophagus spp., in Italy 1426
 C. lycimnia, in Greece 6121
 Metaphycus spp., in Greece 6121
 preyed on by
 Chilocorus bipustulatus
 in Greece 6121
 in Italy 1426
 Exochomus quadripustulatus
 in Greece 6121
 in Italy 1426
- coccus, Dactylopius***
- Coccus hesperidum***
 control of 337
 in Australia 5917
 in France 2722, 5108
 in Turkey 1427, 6131
 in USA 337
 on *Citrus*
 in California 337
 in Corsica 5108
 in France 2722
 in New South Wales 5917
 in Turkey 1427
 on *Citrus limonia*, rearing of 6129
 on *Citrus medica*, rearing of 6129
 on fig, in Turkey 1427
 parasites of
 in Turkey 1427
 rearing of 2565
 parasitised by
 Metaphycus helvolus 5108, 6129
 Microterys flavus 3456
 in New South Wales 5917
 preyed on by
 Chilocorus bipustulatus, in Turkey 1427
 Eublemma scitula, in France 2722
 Exochomus quadripustulatus, in Turkey 1427
- Coccus mangiferae***, taxonomy of, transferred to *Protopulvinaria* 7005
- Coccus oleae*** Costa, taxonomy of 3994
- Coccus pseudomagnoliarum***
 biology of 4328, 6131
 control of 337
 insecticides for 4328
 descriptions of 4328
- Coccus pseudomagnoliarum* contd.**
 hyperparasites of, in Turkey 6131
 in Iran 4328
 in Italy 4328
 in Japan 4328
 in Mexico 4328
 in Turkey 1427, 6122, 6131
 in USA 337, 4328
 in USSR 4328
 on *Celtis* 4328
 on *Citrus* 4328
 in California 337
 in Turkey 1427, 6122, 6131
 on grapevine, in Turkey 1427
 on orange
 damage caused by 4328
 in Italy 4328
 on tomato, in Turkey 1427
 on *Ulmus* 4328
 parasites of, in Turkey 1427, 6131
 preyed on by
 Chilocorus bipustulatus, in Turkey 1427
 Coccinellidae, in Turkey 6131
 Exochomus quadripustulatus, in Turkey 1427
 Verticillium lecanii in, in Turkey 1427
- Coccus viridis***
 biology of 7405
 control of 7405
 insecticides for 403, 2106, 6799–6800
 in India 6799–6800, 7405
 in USA (Hawaii) 4386
 on coffee 2106
 in India 7405
 in Karnataka 6799–6800
 on *Plumeria robusta*, in Hawaii 4386
 preyed on by
 Azya orbiger, in Hawaii 4386
 Cryptolaemus montrouzieri, in Hawaii 4386
 Orcus chalybeus, in Hawaii 4386
- Coccygomimus***, parasitising, *Hyphantria cunea*, in Yugoslavia 6546
- Coccygomimus acutulus***
 sp. nov., description of 1094
 in Japan 1094
 parasitising
 Cryptoblabes laricana, in Japan 1094
 Ptycholomoides aeriferanus, in Japan 1094
- Coccygomimus aquilonius japonicus***
 subsp. nov., description of 1094
 in Japan 1094
 parasitising
 Choristoneura diversana, in Japan 1094
 Cymoloma hartigiana, in Japan 1094
- Coccygomimus illecebrator***, taxonomy of, *Coccygomimus acutulus* misidentified as, in Japan 1094

Coccygomimus luctuosus

in Japan 1886

parasitising, *Pieris rapae*, in Kagawa
Prefecture 1886***Coccygomimus marginellus* (see *Pimpla marginella*)*****Coccygomimus pluto***

in Japan 815

parasitising, *Sesamia inferens*, in
Kagoshima Prefecture 815***Coccygomimus turionellae* (see also *Pimpla turionellae*)**

biology of 3030, 6107

in USSR 6107, 6832

in West Germany 912, 3030, 5663
parasitising*Cydia pactolana*, in West Germany
5663*C. pomonella*, in Ukraine 6107*Galleria mellonella* 5196, 5447*Orygia antiqua*, in West Germany
912, 3030*Tortrix viridana*, in Russian Republic
6832

superparasitism in 5196

cochereaui*, *Aphytis***Cochlearia armoracia* (see Horse-radish)*****cochleariae*, *Phaedon******Cochliomyia hominivorax***

control of, sterile-insect release for 3213

genetic variation in, techniques for
monitoring 5128

in Mexico 3213

Cochlochila bullita

in India 1847, 7363

on *Coleus parviflorus*

damage caused by 7363

in Tamil Nadu 7363

on *Mentha arvensis*, in Tamil Nadu
1847***Cocklebur* (see *Xanthium*)*****Cockroach* (see *Blattaria*)*****Cockfoot mottle virus*, in, *Dactylis glomerata*, in UK 4872*****Cocoa* (see *Cacao*)*****cocois*, *Aleurodicus******Coconut* (*Cocos nucifera*)***Abgrallaspis palmarum* on, in São Tomé
2846*Amblypelta cocophaga* on, in Solomon
Islands 3976***Aspidiotus destructor* on**

in Pakistan 1386

in Príncipe 2845

in São Tomé 2846

Axiagastus cambelli on, in Papua New
Guinea 1388*Balyana* spp. on, in Malagasy Republic
5540*Brontispa longissima* on, in Solomon
Islands 3976*Cerataphis variabilis* on, in Florida 2844***Coconut cont'd.****Coelaenomenodera perrieri* on, in
Malagasy Republic 5540*Diaspis boisduvalii* on, in Colombia 5532*Dorylus orientalis* on, damage caused by
6610*Gangara thyrasis* on, in India 2667*Gestronella centrolineata* on, in Malagasy
Republic 1389*G. lugubris* on, in Malagasy Republic
1389*Haplaxius crudus* on, in Florida 6087*Hedylepta blackburni* on, in Hawaii
1987**Hispidae on**

in Colombia 5539

in Ecuador 5539

Hortensia similis on, in Florida 6087*Lapaemides dedalus* on, in Surinam 310*Leucopholis coneophora* on, in India
3613***Nephantis serinopa* on**

in India 311, 1914, 3613–3614

in Kerala 149

Notostrix jamaicae on 2325*Oncometopia nigricans* on, in Florida
6087*Opsiphanes invirae* on, in Brazil 5243*Oryctes rhinoceros* on
damage caused by 3612

in Fiji 6357

in India 3613

in New Britain 2847

in Western Samoa 3612

pest control on, integrated 3613

pests of, in Bangladesh 4180

Pinnaspis buxi on, in São Tomé 2846*Raoiella indica* on, in Karnataka 7286***Rhynchophorus ferrugineus* on**

in India 3613

in Kerala 147, 6089

in Tamil Nadu 1387

rearing of 1989

R. palmarum on, in Mexico 3611*Scapanes* spp. on, in Solomon Islands
3976*Sexava femorata* on, in New Guinea
4108*Stephanitis typica* on, in India 7288*Temnoschoita* spp. on
damage caused by 1385

in West Africa 1385

Vinsonia stellifera on, in São Tomé 2846***Xylotrupes gideon* on**

in New Britain 4300

in New Ireland 4300

***Coconut lethal yellowing disease*
causal agent
in***Haplaxius crudus* 6087*Hortensia similis* 6087*Oncometopia nigricans* 6087

Subject Index

Coconut-oil soap

against

Aphis citricola, on *Pyraecantha* 2110*A. gossypii*, on *Pyraecantha* 2110Coconut plantations, *Sycanus affinis* in, in

Orissa 6642

Coconut root (wilt) disease, causal agent, in,

Stephanitis typica, transmission of 7288Coconut (stored nuts), *Oryzaephilus**mercator* in, development of 4100*cocophaga*, *Amblypelta**Cocos nucifera* (see Coconut)Cocoyam (see *Colocasia esculenta*)*Cocytodes coerulea* (see *Arcte*)Coddlemone (see 8,10-Dodecadien-1-ol, (*E,E*)-)*coeca*, *Braula**Coelaenomenodera elaeidis*

biology of 5540

hyperparasitised by

Pediobius coffeicola, in West Africa 1166*P. vigintiquinque*, in West Africa 1166

on oil palm, in West Africa 1166

parasitised by

Closterocerus africanus, in West Africa 1166*Cotterellia podagrica*, in West Africa 1166*Pediobius setigerus*, in West Africa 1166*Perilitus persimilis*, in West Africa 1166*Sympiesis aburianus*, in West Africa 1166

preyed on by, ants, in West Africa 1166

Coelaenomenodera perrieri

in Malagasy Republic 5540

on coconut, in Malagasy Republic 5540

parasites of, in Malagasy Republic 5540

coelestialium, *Trigonotylus**Coelidia olitoria*

in USA 6090

on grapevine, in North Carolina 6090

on strawberry, in North Carolina 6090

strawberry pallidosis virus in, transmission of 6090

Coelinus, parasitising, *Cnaphalocrocis**medialis*, in Kerala 2798*Coeloides abdominalis*

in USSR 6627

parasitising, bark beetles, in USSR 6627

Coeloides brunneri

in USA 1511

parasitising, *Melanophila* spp., in

Washington 1511

Coeloides scolyticida

in Austria 3752

parasitising, *Scolytus scolytus*, in Austria 3752*Coenotes eremophila*

in Australia 225

Coenotes eremophila contd.on *Duboisia leichardtia*, in Queensland 225on *Duboisia myoporoides*, in Queensland 225*coerulea*, *Arcte*

(Cocytodes)

Coffea arabica (see Coffee)*Coffea canephora* (see Coffee)*coffea*, *Asterolecanium**coffea*, *Ceratitis*

(Trirhithrum)

coffea, *Dryocoetius**coffea*, *Saissetia**coffea*, *Zeuzera*Coffee (*Coffea* spp.)*Antestiopsis clymeneis* on, in Malagasy Republic 3017*Ascotis selenaria* on, in Kenya 1892

BHC in, residues of 148

Ceratitis anonae on, in Uganda 1496*C. capitata* on

damage caused by 905

in Kenya 905

in Uganda 1496

C. coffea on

in Kenya 905

in Uganda 1496

C. rosa on

in Kenya 905

in Uganda 1496

Ceroplastes spp. on, in Kenya 3991*Coccus viridis* on 2106

in India 7405

in Karnataka 6799-6800

Diachrysia orichalcea on

damage caused by 3021

in Kenya 3021

disulfoton in, improving coldhardiness 7404

Dryocoetius coffea on, in Timor 3482*Dulinius unicolor* on, in Malagasy

Republic 3017

Dysmicoccus cryptus on, in Brazil 4988*Eacles magnifica* on, in Brazil 4891*Ellimenistes laeicollis* on

damage caused by 1497

in South Africa 1497

Eupterote canaraica on, in India 3020*Gascardia destructor* on, in Kenya 3991*Hemileia vastatrix* in, in South Africa 3018*Hypothenemus hampei* on

damage caused by 3722

in Guatemala 4987

insect pests of, in Karnataka 6198

Lachnosterna nilgiria on 2105*Leucoptera coffeella* on, in Brazil 7404*Mycodiplosis hemileiae* on

consuming spores of rust 3018

in Africa 3018

pest control on, in Kenya 4990

Coffee contd.

phorate in, improving coldhardiness
7404

Planococcus citri on, in India 7405

Saissetia coffeae on, in India 7405

Tiracola plagiata on, in Papua New
Guinea 4989

Toxoptera aurantii on, in São Tomé
4208

Xyleborus asperatus on, in Timor 3482

Xylosandrus compactus on, in India
7405

X. morigerus on, in Timor 3482

Coffee leaf rust (see *Hemileia vastatrix*)**Coffee plantations**

Anoplolepis longipes in, in Papua New
Guinea 1270

Odontomachus simillimus in, in Papua
New Guinea 1270

**Coffee rust disease, causal agent, control of
6350**

coffeella, *Leucoptera*, (*Perileucoptera*)

coffeicola, *Pediobius*

cognata, *Campoletis*

cognatus, *Polymerus*, (*Poeciloscytus*)

Cola

Balanogastriis kolae on, in Nigeria 1411
insect pests of, in West Africa 4245

pest control on 4245

Sophrorhinus spp. on, in Nigeria 1411

S. gbanjaensis on, in Nigeria 2009

S. quadricristatus on 2009

Cola acuminata, insect pests of, in West
Africa 4245

Cola nitida

Balanogastriis kolae on, in Nigeria 2003

Ceratitis colae on, in Nigeria 2003

insect pests of, in West Africa 4245

Sophrorhinus gbanjaensis on, in Nigeria
2003

S. quadricristatus on, in Nigeria 2003

Cola (stored nuts), Curculionidae in, in West
Africa 941

colae, *Ceratitis***Colaphellus hoeftii**

biology of 4244

in Iran 4244

on *Brassica* 4244

on *Capsella* 4244

on *Cardaria draba*, in Iran 4244

on *Raphanus* 4244

Colaspis

illustrations of 1724

keys to 1724

Colaspis blakeae

sp. n., description of 4918

in Colombia 4918

on banana, in Colombia 4918

Colaspis crinicornis chittendeni

subsp. n., description of 1724

food-plants of 1724

in USA 1724

Colaspis gemellata

descriptions of 4918

on banana 4918

taxonomy of, characters distinguishing *C.*
blakeae and 4918

Colaspis hesperia

sp. n., description of 1724

food-plants of 1724

in USA 1724

Colaspis hypochlora

descriptions of 4918

on banana 4918

taxonomy of, characters distinguishing *C.*
blakeae and 4918

Colaspis louisianae

sp. n., description of 1724

food-plants of 1724

in USA 1724

Colaspis melaina

sp. n., description of 1724

food-plants of 1724

in USA 1724

Colaspis ostmarki

descriptions of 4918

on banana 4918

Colaspis planicostata

sp. n., description of 1724

food-plants of 1724

in USA 1724

Colaspis recurva

sp. n., description of 1724

food-plants of 1724

in USA 1724

Colaspis submetallica

descriptions of 4918

on banana 4918

Colcondamyia auditrix

sp. nov., description of 5984

attraction of, by host mating song 5984

in Canada 5984–5985

parasitising, *Okanagana rimosa*, in
Ontario 5984–5985

Coldhardiness

Abacarus hystrix 6526

Aceria tulipae 6526

Archips crataeganus 7436

coffee 7404

Cydia funebrana 4622–4623, 5323

Eurosta solidaginis 7110

Hemerobius pacificus 1188

Leucinodes orbonalis 5329

Lymantria dispar 7436

Operophtera brumata 7436

Ostrinia nubilalis 5878

pests of stored products 6264

Phytocoptes deschampsiae 6526

Psilus spp. 3471

Reesa vespulae 6852

Rhagoletis indifferens 3471

Rhyzopertha dominica 5048

Stenotarsonemus pashini 6675

colemani, *Aphidius*

- Coleomegilla maculata*** (see *Ceratomegilla*)
Coleophora fuscadinella (see *C. serratella*)
Coleophora kurokoi
 sp. n., description of 562
 in Japan 562
 on *Artemisia princeps*, in Japan 562
 on *Chrysanthemum morifolium*, in Japan 562
- Coleophora laricella***
 control of, growth regulators for 6845
 development in, effects of photoperiod on 5041
 in Czechoslovakia 6845
 in West Germany 5684
 on *Larix*, in Czechoslovakia 6845
 parasitised by, *Chrysocharis laricinellae* 4805
- Coleophora parthenica***
 in Egypt 2758
 in Pakistan 2758
 in Turkey 2758
 on *Halogeton glomeratus* 2758
 on *Salsola* 2758
 on *Salsola iberica*, and biological control using, in USA 2758
- Coleophora serratella***
 biology of 5011
 control of, biological 5012
 distribution of 5011
 food-plants of 5011
 in Austria 5012
 in Canada 421, 3038–3039, 3748
 mortality in 3039
 on *Betula papyrifera*
 damage caused by 421, 3038
 in Newfoundland 421, 3038–3039
 in Quebec 3748
 on *Betula populifolia*, in Quebec 3748
 parasites of, in Austria 5012
 parasitised by, Hymenoptera, in Quebec 3748
- Coleophora yomogiella***
 sp. n., description of 562
 in Japan 562
 on *Artemisia montana*, in Japan 562
 on *Artemisia princeps*, in Japan 562
- coleophorae, Copidosoma***
Coleophoridae
 food-plants of 4
 in East Germany 4
 in Mongolia 4142
 keys to 4
- Coleoptera**
 books on 4183
 cell lines of, culture medium for 1831
Chilo iridescent virus in, infectivity of 3828
 control of
Bacillus thuringiensis for 6819
 insecticides for 2657, 2827, 7608, 7610
 cuticle in, mechanical properties of 4050
 eggs of 3379
- Coleoptera contd.**
 in Canary Islands 7146
 in South Korea 6556
 in UK, accidental introductions of 3082
 in Yugoslavia 5435
 in apple orchards, identification of 7314
 in barley fields, in UK 4254
 in milk-powder factories, in Japan 7447
 in mills, in Yugoslavia 4485
 in oak forests, in Poland 5017
 in oat fields, in Finland 4833
 in pasture soil, factors affecting populations of 1367
 in wheat fields
 effects of fertilizers on 6917
 in UK 4254
 leaf-mines caused by 4238
 Mycoplasmatales in, transmission of 4457
 on *Acacia*, in South Africa 5220
 on beet, in USSR 5612
 on cacao, in Ghana 2104
 on lucerne, in Egypt 3603
 on protea
 damage caused by 5938
 in South Africa 5938
 on pulse crops 6771
 on shrubs, in USA 5687
 on sugar-cane, in Dominican Republic 7223
 on trees, in Iraq 4397
 on *Trifolium alexandrinum*, in Egypt 3603
 parasitised by
 Hymenoptera 1834
 Ichneumonidea, in England 6632
Sclerodermus domesticus 3105
 predators of, in England 4772
 preyed on by
Achaearanea tepidariorum, in Nagasaki Prefecture 2718
 birds, in New Zealand 2827
 Syrphidae, in Kenya 1897
 preying on
Aonidiella aurantii, in South Africa 5956
 aphids, in UK 4254
 bark beetles, in Russian Republic 6841
 sex pheromones of 7568
 sterilisation of, prediction of radiation dose required for 3427
 traps for 1635
- Coleoscyrus***, descriptions of 552
Coleotechnites milleri
 in USA 5664
 on *Pinus contorta*
 damage caused by 5664
 in USA 5664
- Coleotechnites starki***
 in USA 5664
 on *Pinus contorta*
 damage caused by 5664

***Coleotechnites starki* contd.**

- on *Pinus contorta* contd.
- in USA 5664

Coleus parviflorus

- Cochlochila bullita* on
- damage caused by 7363
- in Tamil Nadu 7363

Colias erate polygraphus

- in USSR 1872
- on soy bean, in USSR 1872
- parasitised by, *Phryxe vulgaris*, in USSR 1872

Colias eurytheme

- cytoplasmic polyhedrosis virus in, in California 472
- in USA 472
- nuclear polyhedrosis virus in, in California 472
- on lucerne, in California 472
- pteridines in, effects of photoperiod and temperature on 103
- wing pigmentation in, phenotypic variation of 103

Colladonus clitellarius

- in USA 331
- on peach, in Michigan 331
- on *Prunus cerasus*, in Michigan 331
- peach X-disease, causal agent in, transmission of 331

Colladonus montanus

- peach western X-disease
- causal agent in
- extraction of 2185
- infectivity of 3123, 3496
- isolation of 3123
- localisation of 3496
- replication of 3124
- transmission of 2185

Collard (see Kale)***collaris*, *Acrotelsa******collaris*, *Alcidodes*, (*Alcides*)*****collector*, *Meloboris*****Collembola**

- herbicides in, effects of 2603
- in Egypt 4205
- in Turkey 4141
- in forests
- effects of burning on 2669
- in South Carolina 2669
- in lucerne fields, in Egypt 3602
- in maize fields, in East Germany 2603
- in milk-powder factories, in Japan 7447
- in pasture soil, factors affecting populations of 1367
- in pastures, in New Zealand 1978
- in peat, in Belgium 3028
- in pine litter, in Belgium 3028
- in sugar-beet fields, in West Germany 2949
- in *Trifolium alexandrinum* fields, in Egypt 3602

Collembola contd.

- in wheat fields, in East Germany 2603
- insecticides in, toxicity of 1978
- predators of, in England 4772
- traps for 1978

collina*, *Eupteryx***collinus*, *Brachaspis******collisscutella*, *Uga******Collops***

- in cotton fields
- in Oklahoma 3006
- sampling of 3006
- in sorghum fields, in Texas 7276

Collops marginellus

- in USA 3712
- in cotton fields
- effects of insecticides on 3712
- in California 3712

Colocasia

- Papuana inermis* on, in Solomon Islands 3976

- Spodoptera litura* on, in Japan 1473, 2245

Colocasia antiquorum*, *Agrius convolvuli* on, in Karnataka 1882**Colocasia esculenta***

- Arzama densa* on, in Florida 2971
- Hippotion celerio* on, in Solomon Islands 1472

- Papuana inermis* on, in Solomon Islands 1472

- Spodoptera litura* on, in Solomon Islands 1472

- Tetranychus urticae* on, in Solomon Islands 1472

- virus diseases of, in Solomon Islands 1472

Colombia

- Antichloris viridis* in, on banana 2350

- Antiteuchus tripterus* in 4111

- Bocchoropsis pharaxalis* in, on cacao 5652

- Caligo* spp. in, natural enemies of 3540

- Carica papaya* in, arthropods associated with 4739

- Cephaloleia* spp. in, on oil palm 7289

- Colaspis blakeae* in, on banana 4918

- Corythucha gossypii* in, on oil palm 7288

- Diaspididae in 5532

- Diatraea saccharalis* in, natural enemies of 3540

- Drosophila melanogaster* in 2455
- entomology in 2703

- Erinnyis ello* in, natural enemies of 3540

- Estigmene acraea* in, natural enemies of 3540

- Floracarus cyphomandrae* in, on *Cyphomandra betacea* 4323

- Galerucinae in 5983

- Gargaphia* spp. in, on oil palm 3615

Colombia contd.**Gargaphia contd.**

G. sanchezi in, on *Phaseolus vulgaris*
4940

grapevine in, arthropods associated with
4739

Harmonides dispar in, on cacao 5652

Heilipus unifasciatus in, on cacao 5652

Heliothis spp. in, natural enemies of
3540

Hispididae in

on coconut 5539

on oil palm 5539

Ischiolontha lineata in, on cacao 5652

Leptopharsa gibbicarina in, on oil palm
7288

Manduca sexta in, natural enemies of
3540

Monalonion dissimulatum in, on cacao
5652

passion fruit in, arthropods associated
with 4739

Rhynacus kraussii in, on *Lantana camara*
222

Sagallasa valida in, on oil palm 1990,
4452

Scrobipalpus absoluta in, natural enemies
of 1905

Sibine fusca in, natural enemies of 4458

Spodoptera frugiperda in, natural enemies
of 3540

Sufetula diminutalis in, on oil palm 1990

Tribolium castaneum in, in CSM 1548

Urbanus proteus in, natural enemies of
3540

watermelon in, arthropods associated with
4739

colombica, Atta**Colomerus**

gen. nov., description of 2325

taxonomy of 2325-2326

Colomerus vitis (see *Eriophyes*)**colon, Dinotiscus****Colopalpus oxalis**

descriptions of 6550

illustrations of 6550

in Brazil 6550

on *Oxalis*, in Brazil 6550

Colopteris, in stored maize, in USA 1846**Coloradia pandora**

in USA 5664

on *Pinus contorta*

damage caused by 5664

in USA 5664

Colorado

Deltocephalus mystax in, on grasses
1101

Dendroctonus ponderosae in, in *Pinus*
timber 4446

Diatraea grandiosella in 6425

grasshoppers in 4878

Hippodamia convergens in 646

Colorado contd.

Hypera postica in 646

natural enemies of 5440

Pogonomyrmex occidentalis in, in
grassland 174

Psylla pyricola in, on pear 7319

Rhyacionia neomexicana in, on *Pinus*
6844

Scolytus multistriatus in, on *Ulmus* 6000

Siricidae in

natural enemies of 3741

on conifers 3741

coloratus, Anthrenus**Colotois pennaria**

control of, insecticides for 3738

in Austria 439

in USSR 3738

on *Carpinus betulus*, in Austria 439

on *Quercus cerris*, in Austria 439

on *Quercus robur*, in Austria 439

parasitised by, *Telenomus dalmanni*, in
Austria 439

Columba cayenensis, preying on, *Hermetia*
illucens, in Panama 2032

Columba livia (see Pigeon)

columbia, *Hyalophora*

columbianus, *Corthylus*

columbiensis, *Typhlodromus*

Colydiidae, preying on, bark beetles, in
USSR 6627

Comana fasciata

biology of 2862

in Australia 2862

on *Macadamia*, in Queensland 2862

comanche, Chrysopa**comariana, Acleris**

Comarum palustre, *Acleris latifasciana* on,
in Yugoslavia 4591

comatus, Aculus

combusta, *Dinara*, (*Anticyra*)

comes, *Noctua*

comitator, *Brachymeria*

comma, *Stenolophus*

Commiphora zimmermannii, aphids on, in
Kenya 3802

commiphorae, *Paoliella*, (*Unipterus*)

commodus, *Teleogryllus*

communana, *Cnephasia*

commutatus, *Anthonomus*

compactus, *Xylosandrus*

comperei, *Myiocnema*

Comperiella bifasciata

biology of 5098

in France 5098

parasitising

Aonidiella aurantii

and biological control using

in Greece 5103

in South Africa 5956

in France 5098

complanata, Popillia**completa, Rhagoletis**

complexa, Sinea

Compoplex validus, parasitising, *Plathypena scabra*, in Iowa 1916

Compositae, Pemphigus bursarius on, in Kashmir 6825

compositae, Macrosiphum, (Uroleucon)

compressa, Diadegma

compressa, Eurytoma

compressa, Pristiphora

compressus, Camponotus

Compsilura concinnata

hosts of 6628

in France 548

in Japan 1886–1887

in USA 4214

in USSR 6767

parasitising

Heliothis armigera, in France 548

Lymantria dispar

in Europe 3168

in Massachusetts 4214

Pieris brassicae, in Caucasus 6767

P. rapae, in Kagawa Prefecture

1886–1887

Compsothrips, in Crimea 1

Computers

for determining duration of development at fluctuating temperatures 2381

for modelling control of *Nephotettix cincticeps* 2807

for modelling epidemiology of rice dwarf virus 2808

for simulating insect control 3223

use in pest management of 3259

comstocki, Pseudococcus

comstockii, Ephialtes, (Exeristes)

concavirostris, Sitona

Conchaspidae, in Chile 691

conchatus, Dulinus

concinna, Chaetocnema

concinna, Schizura

concinna, Compsilura

concinus, Ips

concolor, Leptoglossus

concordis, Amblyseius

condonensis, Bifiditermes

Conductivity, electric (see Electric conductivity)

coneophora, Leucopholis

Confectionery, Plodia interpunctella in, in West Germany 6872

Conferences (1971)

Chemical Control of Rice Insects and Diseases 1949

International Society of Sugar Cane Technologists 228

Latin-American Congress of Entomology 672, 689

Conferences (1972)

Biological control of *Citrus* Coccids and Aleurodids 5095

Conferences (1972) contd.

National Symposium on Plantation Crops, India 144

Pest management for the 21st century 990

Recent advances in research on predation on insect pests in North America 764

Conferences (1973)

American Chemical Society, Division of Pesticide Chemistry 6916

American Phytopathological Society, Caribbean Division 1575

Biological Control of Weeds 2743

British Insecticide and Fungicide Conference 3932

Controlling fruit flies by the sterile-insect technique 5126

Coordination of Research on a Control Program for the Spruce Budworm in Manitoba 913

Dutch elm disease 3735

German Plant Protection Congress of the State Institute of Agriculture and Forestry in Stuttgart 1599

Integrated Control in Glasshouses 972

International Symposium on Central European Insect Faunistics 2607

International Symposium on Phytopharmacy and Phytiatry 2636

National Meeting of the American Chemical Society 1652

New Aspects of Organophosphorus Pesticides 1007

Origin and fate of chemical residues in food, agriculture and fisheries 5775

Progress in Soil Zoology 2596

Symposium on biochemistry of insect resistance 1652

West Indies Sugar Technologists 7222–7225

Conferences (1973–74), Interdisciplinary research to develop integrated plant pest management systems 6361

Conferences (1974)

Animal Feeds of Tropical and Subtropical Origin 935

Biological control of *Citrus* Coccids and Aleurodids 6120

Cotton insect research and control, USA 7396

Entomological Society of Southern Africa 5937

Franco-Soviet symposium on the biological control of Noctuids 3854

Genetic mechanisms of speciation in insects 4682

International Plant Protection Symposium 3830

International Society of Sugar Cane Technologists 248

International Working Conference on Stored-Product Entomology 6225

Conferences (1974) *contd.*

- IUPAC Congress of Pesticide Chemistry
4527, 4542
- Mites in stored crops 5411
- National Congress of Entomology, Mexico
3970
- New Zealand Weed and Pest Control
Conference 3181
- Northeastern Forest Insect Work
Conference 5452
- Origin and fate of chemical residues in
food, agriculture and fisheries 5775
- Pest-damage assessment 2267
- Pesticide application by ULV methods
7504
- Review of insecticide and fungicide usage
3272
- Scientific Conference of the United
Planters' Association of Southern
India 4991
- Southern pine beetle symposium 5020
- Sterility principle for insect control 3212
- Symposium on insect pest management
4492
- Symposium on Integrated Control in
Orchards 7530
- Symposium on pests and their control
6854

Conferences (1975)

- All-Union Symposium on Insect
Chemoreception 5278
- British Insecticide and Fungicide
Conference 7574
- British Pest Control Conference 5172
- Commonwealth Entomological Conference
7688
- Round table on the virus and mycoplasma
diseases of the grapevine 7481
- ULV spraying for cotton pest control
4377

conferta, *Asura**conferta*, *Heliothis armigera**confertus*, *Dactylopius**confertus*, *Pityophthorus**configurata*, *Mamestra**confinis*, *Meteorus**confinis*, *Psammotettix**conflictana*, *Choristoneura**conformis*, *Leis**confrater*, *Metasyrphus*
(*Syrphus*)*confusa*, *Blastothrix**confusa*, *Macdunnoughia**confusa*, *Sinea**confusum*, *Tribolium**confusus*, *Afrocidens**confusus*, *Dactylopius**confusus*, *Ips**confusus*, *Melanoplus**congesta*, *Liriomyza**Congo*, Coccoidea in, on *Citrus* 5100*congregatus*, *Apanteles**conicaudus*, *Ceuthophilus**conicus*, *Rhinocyllus**Conidiobolus coronatus*

- cultures of, survival in 2191
in

Acromyrmex octospinosus

in Guadeloupe 2693

pathogenicity of 2693

Coptotermes formosanus

cultivation of 1856

pathogenicity of 1856

Galleria mellonella 1593

cultivation of 1856

Hylemya brassicae 4461*H. platura* 4461*Lymantria dispar*

pathogenicity of 1593

symptoms of 1593

man 2693

Plecia nearctica, in Florida 3132

Reticulitermes lucifugus, pathogenicity
of 1856

taxonomy of 4461

Conidiobolus osmodes, growth and

sporulation in, effects of carbon nutrition
on 6879

coniferae, *Scambus*

Conifers

Carabidae on, in North America 770

Coccoidea on, in Caucasus 6808

Hylastes spp. on, in UK 3041

Hylobius abietis on

in Sweden 414

in UK 3041

Lachnidae on, in Switzerland 3373

Lepidoptera on, in New Zealand 1228

Microlepidoptera on, in Japan 1094

Pentamerismus oregonensis on, in Brazil
6550

pests of

in Switzerland 3543

in West Germany 3543

Petrova gemmeata on, in Japan 433

Pseudocoremia suavis on, in New Zealand
1228

Tetranychidae on 6815

Coniophora, in, wood, effects on termites of
4234

Coniopterygidae

in Austria 4525

traps for 4525

Conioscinella melancholica

in Canada 7277

in grassland, in Alberta 7277

conjugella, *Argyresthia*

Connecticut

Agilus bilineatus in, on *Quercus* 3744,
7439

Anisota senatoria in, on *Quercus* 4478

Anomala orientalis in, in turf 2830

Coccinella septempunctata in,
introductions of 4714

Connecticut contd.

Ennomos subsignarius in, natural enemies of 192, 909, 2147, 2339

Lymantria dispar in 926, 2526–2527, 3053, 5042

natural enemies of 3750, 6820
on *Quercus* 3400

Malacosoma americanum in, natural enemies of 5999

Pissodes strobi in, on *Pinus* 5001

Popillia japonica in, in turf 2830

Reticulitermes flavipes in
in dwellings 1921

natural enemies of 1921

Stephanitis takeyai in, on *Pieris* 2119

Symmerista canicosta in, on *Quercus* 4478

connexa, Eriopsis**Conocephalus iris**

in Sierra Leone 833

on rice, in Sierra Leone 833

Conocephalus maculatus, insecticides in, toxicity of 1657

Conoderus

in soil, distribution pattern of 3463

on maize, in Missouri 3463

Conoderus falli

in USA 7241

in soil, distribution pattern of 1818
on maize

in Georgia (USA) 7241

resistance to 7241

Conoderus vespertinus, in soil, distribution pattern of 1818

Conomorium patulum

biology of 6221

in USSR 3738, 6221

parasitising

forest pests, in USSR 6221

Geometridae, in USSR 3738

rearing of, techniques for 6221

Conomyrma flavopecta, colony organisation in 3534

Conomyrma insana

colony organisation in 3534

control of, baits for 2696

in USA 2696, 4197

predatory behaviour in 4197

preying on, *Solenopsis invicta*, in Florida 4197

Conophthorus banksianae

in USA 2124, 3746

mortality in, estimation of 3746

on *Pinus banksiana*

damage caused by 3746

distribution pattern of 2124

in Michigan 2124, 3746

parasitised by, *Cecidostiba dendroctoni*, in Michigan 3746

population density of, estimation of 3746

Conophthorus monophyllae

in USA 194

Conophthorus monophyllae contd.

Neoparasitylenchus amylocercus in, in California 194

on *Pinus monophylla*, in California 194

Conopia platyuriformis

biology of 5938

in South Africa 5938

on protea

damage caused by 5938

in South Africa 5938

Conopidae

parasitising

Bombinae, in Ontario 6003

Hymenoptera, in Soviet Far East 1873

Conorhynchus brevirostris

in USSR 6755

on beet

in Central Asia 6755

in Kazakhstan 6755

Conorhynchus elongatus

in USSR 6755

on beet

in Central Asia 6755

in Kazakhstan 6755

Conorhynchus hololeucus

biology of 6755

in USSR 6755

on *Chenopodium album*, in Turkmenia 6755

on *Salsola leptoclada*, in Turkmenia 6755

on sugar-beet, in Turkmenia 6755

Conorhynchus mendicus

control of, insecticides for 7600

on sugar-beet 7600

Conorhynchus verecundus

in USSR 6755

on beet

in Central Asia 6755

in Kazakhstan 6755

Conostigmus, parasitising, *Asphondylia sesami*, in Rajasthan 1890

Conotelus, in stored maize, in USA 1846

Conotrachelus nenuphar

control of, insecticides for 7312

in Canada 7312

in USA 4012

on apple, in Quebec 7312

stridulatory apparatus in 4012

Conotrachelus psidii

biology of 345

control of, insecticides for 345

in Brazil 345

on guava

damage caused by 345

in Brazil 345

conquisitor, Itopectis**consanguinea, Lachnosterna**

(*Holotrichia*)

consobrina, Ernestia**conspersus, Euschistus****conspicua, Euxoa** (see *Agrotis crassa*)

- constricta*, *Agallia*
constricta, *Cartodere*
constrictus, *Scymnus*
consueta, *Copitarsia*
Contarinia bromicola
 descriptions of 1570
 in Poland 1570
 in USSR 1570
 on *Bromus inermis*, in Poland 1570
Contarinia medicaginis
 biology of 1984
 in Bulgaria 1194
 in France 1984
 in Romania 2842
 on lucerne
 forecasting infestations of 1984
 in France 1984
 in Romania 2842
 parasites of, in France 1984
 population growth in, effects of irrigation
 on 1194
Contarinia nasturtii
 biology of 2662
 in Belgium 2662
 on brussels sprouts
 damage caused by 2662
 in Belgium 2662
 on cauliflower
 damage caused by 2662
 in Belgium 2662
Contarinia parthenicola
 descriptions of 223
 on *Ambrosia artemisiifolia*, in North
 America 223
Contarinia pisi
 control of, insecticides for 3272, 6153,
 7528
 in UK 3272, 6153, 7528
 on pea
 in England 3272, 6153
 in UK 7528
Contarinia sorghicola
 control of, insecticides for 4868, 5518,
 6699
 diapause in 4870
 emergence in 2820
 in Australia 4868
 in Brazil 4870
 in India 6009, 6070, 6699
 in USA 2818, 2820, 5518
 on sorghum
 effects of plant spacing on 5518
 effects of planting date on 5518
 in Brazil 4870
 in California 2820, 5518
 in Karnataka 6070, 6699
 in Mississippi 2818
 in New South Wales 4868
 in Queensland 4868
 varietal preferences of 6070
 on *Sorghum halepense*
 in California 5518
Contarinia sorghicola *contd.*
 on *Sorghum halepense* *contd.*
 in Mississippi 2818
 oviposition in 2820
 preyed on by, *Orius* spp., in Gujarat
 6009
 seasonal abundance of 2818, 4870
 sex ratio in 2820
 swarming in 2820
Contarinia texana, on *Cyamopsis*
tetragonoloba, damage caused by 3677
Contarinia tritici
 control of
 insecticides for 822
 integrated 3581
 threshold for 822
 fungi in, in West Germany 1276
 in West Germany 822, 1198, 1276, 3581
 mortality in 1198
 on wheat
 assessing infestations of 822
 in West Germany 822, 1276, 3581
 resistance to 3581
 oviposition in 822
 parasitised by, *Isostasius punctiger*, in
 West Germany 1276
 predators of, in West Germany 1198
contariniae, *Inostemma*
conterminana, *Eucosma*
contigua, *Aeneolamia*
continctus, *Arocatus*
contortus, *Apanteles*
Contortylenchus elongatus, in, *Ips*
calligraphus, in Texas 6833
Contortylenchus grandicollis, in, *Ips*
grandicollis, in Texas 6833
Contortylenchus reversus
 in
 Dendroctonus pseudotsugae
 effects of 4465
 effects on haemolymph and oocytes
 of 2230
contracta, *Diadegma*
contractus, *Fulleritermes*
contractus, *Scopelodes*
contractus, *Thylodrias*
convergens, *Hippodamia*
convexifrons, *Polygraphus*
convolvuli, *Agrius*
 (*Herse*)
Convolutus
Bemisia tabaci on, in Iran 3005
Cassida indicola on, in Pakistan 2346
Conwentzia, preying on, *Panonychus citri*, in
 Yugoslavia 4326
Conyza canadensis, *Bothynus gibbosus* on,
 in Texas 153
Coot (see *Fulica atra*)
Copidosoma bolivari
 in France 2722
 parasitising, *Eublemma scitula*, in France
 2722

Copidosoma coleophorae

- in Hungary 2012
- parasitising, *Blastodacna atra*, in Hungary 2012

Copidosoma desantisi

- sp. n., description of 1279
- in Chile 1279
- parasitising, *Phthorimaea operculella*, in South America 1279
- taxonomy of, misidentified as *C. koehleri*, in South America 1279

Copidosoma koehleri

- in Argentina 1277, 1279
- in Uruguay 1277, 1279
- parasitising *Phthorimaea operculella* and biological control using
 - in Maharashtra 376
 - in South Africa 5951
 - in Zambia 2070
 - in South America 1277, 1279
- rearing of, techniques for 376
- taxonomy of

Copidosoma desantisi misidentified as, in South America 1279

C. uruguayensis as synonym of 1279

Copidosoma oeceticola

- in Peru 1277
- parasitising, *Phthorimaea operculella*, in South America 1277

Copidosoma truncatellum (see also

Litomastix truncatella)

- development in, effects of temperature on 190

parasitising, *Trichoplusia ni* 190

Copidosoma uruguayensis, taxonomy of,

synonym of *C. koehleri* 1279

Copitarsia, on lucerne, in Chile 699**Copitarsia consueta**

- Entomophthora sphaerosperma* in, in Chile 5072
- in Chile 5072
- complex of, on lucerne, in Chile 699

Copitarsia humilis, complex of, on lucerne,

in Chile 699

Copitarsia turbata

- control of, insecticides for 697
- in Peru 697
- on *Vicia faba*, in Peru 697

Copper

- in *Anthonomus grandis* 2992
- in cardamom, effects of mosaic virus infection on 145
- in fowl serum, relation of delayed neurotoxicity of organic phosphates and 3338
- in insects, prediction of radiation-induced sterility using 3427
- in *Solenopsis invicta* 2697
- in *Solenopsis invicta* queens 5311
- ion (Cu^{2+}), in *Bombyx mori*, trehalase inhibition by 4645

Copper chloride (CuCl_2)

- antifeedant for, *Leptinotarsa decemlineata* on potato 5628
- in *Agrotis segetum* effects of 1659
- toxicity of 5792
- with copper oxide (CuO), hydrate antifeedant for, *Leptinotarsa decemlineata*, on potato 2261
- extenders for, Lovo 192 as 5151
- in *Agrotis segetum*, effects of 1659

Copper hydroxide ($\text{Cu}(\text{OH})_2$), in

Trichogramma cacoeciae, effects of 1603

Copper hydroxide sulfate ($\text{Cu}_4(\text{OH})_6(\text{SO}_4)_2$),

monohydrate, against, *Stenella* spp., in *Citrus* 2893

Copper oxide (CuO)

- in *Agrotis segetum*, effects of 1659
- with copper chloride (CuCl_2), hydrate, antifeedant for, *Leptinotarsa decemlineata*, on potato 2261

Copper oxychloride (see Copper chloride (CuCl_2), with copper oxide (CuO), hydrate)**Copper sulfate** (see Sulfuric acid, copper(2+) salt (1:1))**Coprinae**, in Ethiopian region 4005**Coptoformica exsecta** (see *Formica*)**Coptophylla lamimani**

- in USSR 6096
- on hazel, in USSR 6096

Coptosoma, on *Phaseolus aureus*, in Malaysia 861**Coptosoma cribrarium**

- in Pakistan 7035
- on *Dolichos lablab*, in Pakistan 7035
- scent apparatus in 7035

Coptotermes

- control of 3560
- on exotic conifers, in Malaya 3560

Coptotermes acinaciformis

- biology of 216
- control of 216
 - creosotes for 2175
- in Australia 216, 3106
- in farm buildings, in Queensland 216
- in *Pinus radiata* timber 2175
- in power-transmission poles, in Queensland 3106

Coptotermes amantii

- in timber, effects of soft-rot fungi on 7210
- in wood, effects of Basidiomycetes on 4234

Coptotermes curvignathus

- control of 3560
- in Malaysia 3560
- on exotic conifers, in Malaya 3560

Coptotermes formosanus

- biology of 807
- caseins in, toxicity of 2426

- Coptotermes formosanus** *contd.*
 colony development in 807
Conidiobolus coronatus in
 cultivation of 1856
 pathogenicity of 1856
 egg white in, toxicity of 2426
 foraging behaviour in 6646
 in China 6646
 in Japan 2718
 in USA 807
 in dwellings, in Kwangtung Province
 6646
 preyed on by, *Achaearanea tepidariorum*,
 in Nagasaki Prefecture 2718
 radiolabelling of 6646
 rearing of, diets for 2426
- Coptotermes frenchi**
 in New Zealand 5219
 in power-transmission poles, in
 Queensland 3106
- Coptotermes heimi**
 biology of 3561
 food-plants of 3561
 in Bangladesh 3561
 in Pakistan 3561
- Coptotermes lacteus**
 control of, creosotes for 2175
 in *Pinus radiata* timber 2175
- Coptotermes pamuae**
 in Papua New Guinea 6207
 on fire-damaged trees, in Papua New
 Guinea 6207
- Coracinus, Pterostichus**
- Coraeus florentinus**
 biology of 4409
 control of, integrated 4409
 descriptions of 4409
 in Italy 4409
 natural enemies of, in Italy 4409
 on *Quercus ilex*
 damage caused by 4409
 in Italy 4409
- Corbicula fluminea**, DDE in, residues of
 6409
- Corbisieri, Helopeltis**
- Corchorus capsularis** (see Jute)
- Corchorus olitorius** (see Jute)
- Corculus, Leptoglossus**
- Corecra cephalonica**
 behaviour in, effects of light on 3782
 bromomethane susceptibility in, effects of
 diet on 1668
 carbon disulfide susceptibility in, effects of
 diet on 1668
 climatic plasticity of 6236
 control of
 antifeedants for 1157
 γ -irradiation for 1952
 endrin bioassay using 5921
 enzymes in 4040
 heart-beat in 6492
 in wheat flour 1157, 1565
- Corecra cephalonica** *contd.*
 insecticide bioassay using 829-830
 larval development in, effects of pigment
 from *Fusarium*-infected foodgrains on
 4436
 life-span in, effects of γ -irradiation on
 2486
 metepa in, toxicity of 6861
 microflora in 1565
 parasitised by
Apanteles plutellae 667
Bracon gelechiae 1902
Plagiospropherysa trinitatis 1304
Tetrastichus israeli 6640
Trichogrammatoidea nana 252
 preyed on by, *Sycanus affinis* 6642
 sterilisation of, chemosterilants for 6861
 tanning enzymes in 6473
- cordatus, Iridomyrmex**
- Cordgrass, saltmarsh** (see *Spartina*
alterniflora)
- Cordia sebestena**, *Eurypepla calochroma* on,
 in USA 7141
- Cordyceps**
 in
Mamestra brassicae, in Japan 870
Thyridopteryx ephemeraeformis
 in Georgia (USA) 2735
 pathogenicity of 963
- Cordyceps dipterigena**, in, Muscidae, in
 Ghana 7495
- Cordyceps militaris**
 in
Lambdina fiscellaria, and biological
 control using, in British Columbia
 6843
Melanolophia imitata, and biological
 control using, in British Columbia
 6843
Nepytia freemani, and biological control
 using, in British Columbia 6843
- Cordyceps nutans**, conidial state of 7495
- Coreodoxa regia**, *Gangara thyraxis* on, in
 Tamil Nadu 2667
- Coreoidea**, metathoracic glands in, secretions
 of 3395
- Coreus marginatus**, digestive enzymes in
 2396
- Coriandrum sativum**
 celery (western) mosaic virus in,
 infectivity of 3113
 insect pollinators of, in Egypt 2765
 parasitic insects on, in Kabardino-Balkaria
 6353
- Coriaria japonica**, *Strepsicrates coriariae* on,
 in Japan 560
- coriariae, Strepsicrates**
- Corium solani** (see Potato leaf roll virus)
- Corixa**, in rice swamps, effects of
 insecticides on 1044
- Corn** (U.S. usage) (see Maize)
- Corn stunt disease** (see Maize stunt disease)

- corni*, *Anoecia*
corni, *Hedya*
corni, *Parthenolecanium*
 (*Eulecanium*)
corniger, *Passaloecus*
Cornops aquaticum
 in Argentina 2762
 in Uruguay 2762
 on *Eichhornia azurea*, in South America 2762
 on *Eichhornia crassipes*
 and biological control using, in USA 2762
 in South America 2762
 on *Pontederia cordata*, in South America 2762
Cornus kousa, *Hedya corni* on, in Japan 560
Cornutiplusia circumflexa (see *Syngrapha*)
cornutus, *Gnathocerus*
corollae, *Metasyrphus*
 (*Syrphus*)
Coronilla, *Aphis craccivora* on 4619
Coronilla varia
 groundnut stunt virus in, in Virginia 3120
Stomopteryx palpilineella on, in Pennsylvania 6653
correctus, *Dacus*
Corsica (indexed under France)
Corthylus columbianus
 flight activity in 5672
 in USA 1524, 5065, 5672
 in oak-hickory forests, in Missouri 5672
 in *Quercus* timber, in USA 5065
 on *Quercus velutina*
 damage caused by 1524
 in North Carolina 1524
Coruna orientalis
 in India 818
 parasitising, *Rodolia fumida*, in India 818
corvina, *Amphipyra livida*
corvinoides, *Carcelia*
Corvus corone, eggs of, organochlorine residues in 1047
Corvus splendens, preying on, *Lachnosterna* spp., in Rajasthan 4958
coryli, *Lecanium* (see *Eulecanium tiliae*)
coryli, *Myzocallis*
coryli, *Phyllocoptes*
corylifoliella, *Phyllonorycter*
 (*Lithocolletis*)
Corylus
Hemichroa crocea on 5227
Myzocallis coryli on, in Chile 3356
Corylus avellana (see *Hazel*)
Corylus colurna, *Euproctis chrysorrhoea* on, development of 924, 3067
Corymbites (see *Ctenicera*)
Corymbites incana (see *Ctenicera*)
Corynebacterium okanaganae, in, *Okanagana rimosa*, in Ontario 5985
Corynothrips stenopteris
 distribution of 3357
 in Peru 1245
 on cassava, in Peru 1245
 on *Manihot*, in Mexico 3357
Coryphista meadii
 biology of 409
 in Canada 4599
 in USA 409, 4599
 on *Berberis*
 damage caused by 409
 in Indiana 409
 on *Mahonia*
 damage caused by 409
 in British Columbia 4599
 in Idaho 4599
 parasitised by
Apanteles mahoniae
 in British Columbia 4599
 in Idaho 4599
Coryphosima stenoptera
 food consumption of 116
 in Tanzania 116
 in grassland, in Tanzania 116
Corythaica costata
 descriptions of 1244
 in Peru 1244
 on cotton, in Peru 1244
Corythaula ayyari
 biology of 3029
 descriptions of 3029
 in India 3029
 on *Jasminum sambac*
 damage caused by 3029
 in Kerala 3029
Corythucha arcuata
 in USA 6614
 on *Quercus alba*, in Pennsylvania 6614
 preyed on by, *Deraeocoris nebulosus*, in Pennsylvania 6614
Corythucha ciliata
 biology of 3069, 6831
 control of 6823
 biological 6831
 insecticides for 6831
 in Italy 3069, 6831
 in USA 6831
 in Yugoslavia 3069, 6823
 on *Acer pseudoplatanus*, in Italy 6831
 on *Platanus*
 in Italy 3069
 in Yugoslavia 3069, 6823
Corythucha gossypii
 in Colombia 7288
 on oil palm, in Colombia 7288
Corythucha nocens
 descriptions of 1244
 in Peru 1244
 on hollyhock, in Peru 1244
cosmeta, *Habryllia*

Cosmolyse boeticus (see *Lampides*)

Cosmophila

- control of, insecticides for 4983
- on cotton, in Malawi 4983

Cosmophila erosa (see *Anomis*)

Cosmophila flava (see *Anomis*)

Cosmopolites sordidus

- aldrin resistance in, in Ecuador 684
- BHC resistance in, in Ecuador 684
- control of

- bait traps for 684
- crop management for 2905
- insecticides for 343, 1434, 2902, 2904

dieldrin resistance in

- in Ecuador 684
- in New South Wales 2903

heptachlor resistance in, in Ecuador 684

in Australia 2902-2903

in Costa Rica 2905

in Ecuador 684

in Peru 1434

in Puerto Rico 2904

in Uganda 343

on banana

- in Costa Rica 2905
- in Ecuador 684
- in New South Wales 2903
- in Peru 1434
- in Puerto Rico 2904
- in Queensland 2902
- in Uganda 343

Cosmopterix phyllostachysea

biology of 1932

in Japan 1932

on *Phyllostachys heterocyla*, in Ishikawa Prefecture 1932

parasites of, in Ishikawa Prefecture 1932

preyed on by, *Myrmarchne japonica*, in Ishikawa Prefecture 1932

Cossus, Cossus

Cossus cossus

Borrelinavirus cossi in, in Bulgaria 420

Entomopoxvirus cossi in, in Bulgaria 420

in Bulgaria 420

on *Fraxinus americana*, in Bulgaria 420

on pear, in Bulgaria 420

on *Salix*, in Bulgaria 420

parasitised by, *Xylotachina diluta*, in Bulgaria 420

Costa Rica

Antichloris viridis in, on banana 2350

Ceratitis capitata in 5127

Cosmopolites sordidus in, on banana 2905

Forcipomyia fuliginosa in 5463

Humiphila paleolivacea in, on *Carapa guineensis* 3076

Hypsipyla grandella in 3078

on Meliaceae 921, 4072

on *Toona ciliata* 3077

Costa Rica contd.

Monalonia annulipes in, on cacao 401, 3012

Phyllocnistis meliacella in

on *Cedrela* 3076

on *Swietenia* 3076

Sematoneura grippmai in, on *Cedrela odorata* 3076

costalis, Macrolophus

costata, Corythaica

costata, Mimela

costatus, Acanthococcus

costatus, Creiis

Costelytra zealandica

antifeedants for, in *Lotus pedunculatus* 6076

attractants for 541, 4584

carbohydrate digestion in 2828

control of

insecticides for 2664, 3190-3192

repellents for 1369

in New Zealand 1368-1369, 2268, 2825-2826, 2828, 3190-3192, 4882

in pastures

assessing infestations of 2826

damage caused by 2268, 2825

in New Zealand 2268, 2825-2826, 2828, 3190-3192, 4882

on *Lolium perenne*, development of 3601

on *Lotus pedunculatus*, development of 3601

on lucerne, resistance to, role of saponins in 1713

on *Trifolium repens*, development of 3601

phenols in, antennal responses to 1370

preyed on by, *Sturnus vulgaris*, in New Zealand 4882

pupation in 1368

costirostris, Listroderes

cosyrae, Opus

cothurnata, Paraholaspis, (Plastotorymus)

Cotinis nitida

biology of 5523

in USA 5523

in pastures, in Georgia (USA) 5523

traps for 5523

Cotterellia

keys to 5450

parasitising, *Cosmopterix phyllostachysea*, in Ishikawa Prefecture 1932

***Cotterellia insularis*, in Papua New Guinea 5450**

Cotterellia javana

sp. nov., description of 5450

in Indonesia 5450

***Cotterellia lamellata*, taxonomy of,**

transferred from *Chrysiocharis* 5450

***Cotterellia lankensis*, in Sri Lanka 5450**

Cotterellia nitifrons

sp. nov., description of 5450

in Malaysia 5450

- Cotterellia pilosa*, taxonomy of, transferred from *Eurycranium* 5450
- Cotterellia podagrica* 5450
parasitised by
Pediobius coffeicola, in West Africa 1166
- P. vigintiquinque*, in West Africa 1166
parasitising, *Coelaenomenodera elaeidis*, in West Africa 1166
- Cotton** (*Gossypium* spp.)
- Acyrtosiphon gossypii* on 6809
in USSR 6792
- Agrotis ipsilon* on, in Egypt 4018, 4364
- A. segetum* on, in Uzbekistan 5458
- Alcidodes affaber* on
damage caused by 3708
in Karnataka 3570, 3708
amino acids in leaves of 2088
- Amrasca biguttula* on, in Haryana 3008
- A. devastans* on
development of 157
in Thailand 3179
orientation and feeding response of 1808
orientational responses of 4121–4122
- Anomis flava* on
development of 7108
in China 6892
in Mali 5730
- A. texana* on, in Peru 2707–2708
- Anthonomus grandis* on
assessing infestations of 2083, 2996
damage caused by 2096
models of 3448
in Alabama 2994
in Arizona 6191
in Arkansas 997
in Georgia (USA) 2989
in Louisiana 3453
in Mexico 1331
in Mississippi 2083, 2994, 3453, 3551, 3710, 4362, 5336, 6189
in South Carolina 2998
in Texas 2996, 4372–4373, 5638, 6373, 7394
in USA 1331, 2991
in Venezuela 2092
models of 6373
oviposition by 5336
- aphids on, in Uzbekistan 6183
- Aphis craccivora* on, in USSR 6792
- A. gossypii* on 2090, 2995
damage caused by 5643
effects of fertilizers on 3715
effects of inorganic nitrogen on 395
effects of irrigation on 3715
effects of plant spacing on 3716
effects of sowing date on 3716
effects of water shortage on 1815
in Argentina 4361
in Azerbaijan 5643
in China 6884
- Cotton** *contd.*
- Aphis gossypii* on *contd.*
in Egypt 178, 3707, 3715–3716, 4360, 5506
in Nigeria 2087
in Tamil Nadu 582, 894
in Thailand 3179
in USSR 6792
morphology of 2373
- Apis mellifera* on, protection from pesticides of 761
- Bemisia tabaci* on
damage caused by 3005, 5640
in Brazil 154
in Egypt 3707
in Iran 3005
in Turkey 5640
- bollworms on, in Karnataka 7391
- Bucculatrix thurberiella* on, in Mexico 896, 2988
- Caliothrips fasciatus* on, in Argentina 4361
- carbaryl in, residues of 7661
- Ceratomyxa fascialis* on, in Colombia 5983
- Chlorochroa uhleri* on, damage caused by 6190
- Cicadellidae on, in Karnataka 7391
- Corythaica costata* on, in Peru 1244
- cotton blue disease, virus in, in Central African Republic 3806
- Cryptophlebia leucotreta* on
in Nigeria 4376
in Uganda 2084
- Cyrtacanthacris tatarica* on 5417
- Diabrotica balteata* on, in Colombia 5983
- dichlorvos in, residues of 3917
- Diparopsis* spp. on, in Nigeria 4376
- D. castanea* on, in Malawi 389, 391, 4501, 7507
- D. watersi* on, in Chad 4500, 4503
- diseases of, in Chad 3000
- Dysdercus cingulatus* on 2115
- D. koenigii* on, in India 394, 2728
- D. superstitiosus* on, in Nigeria 2087
- D. voelkeri* on, in Ivory Coast 2503
- Earias* spp. on
effects of fertilizers on 3003
effects of spacing on 3003
in Chad 4503
in Haryana 3008
in Nigeria 4376
in Punjab 393
in Sudan 3705
in Tamil Nadu 3003
- E. biplaga* on, in Malagasy Republic 3207
- E. insulana* on
assessing infestations of 2529
damage caused by 4368, 4375
in Egypt 2546, 4018, 4364–4365, 4368, 4375, 7614

Cotton *contd.*

- Earias insulana* on *contd.*
 in Haryana 2095
 in Malagasy Republic 2529, 3207
 in Morocco 7511
- E. vittella* on, in Karnataka 2093
- Empoasca* spp. on, in California 889
- E. kerri* on, development of 157
- E. lybica* on
 effects of inorganic nitrogen on 395
 in Egypt 3707
- Eurypepla calochroma* on, in USA 7141
- Euschistus conspersus* on
 damage caused by 6190
 in California 6085
- Eutetranychus orientalis* on, effects of
 inorganic nitrogen on 395
- Frankliniella* spp. on, in USA 3958
- F. schultzei* on, in Peru 1245
- Gargaphia nigrinervis* on, in Peru 1244
- Gossypina glauca* on, in Peru 701
- growth and development of, models for 898
- Heliothis* spp. on
 effects of insecticides on 3712
 in Arizona 7521
 in Arkansas 2736
 in Egypt 4364
 in Georgia (USA) 2989
 in Mexico 385, 1164
 in Rhodesia 1049
 in Texas 7521
 in Venezuela 2092
 in Western Australia 7522
- H. armigera* on
 assessing infestations of 2529
 damage caused by 5642
 in Azerbaijan 6181
 in Botswana 3858
 in Chad 4500, 4503
 in Egypt 899, 4018, 7614
 in Gujarat 5337
 in Iran 7518
 in Ivory Coast 2558
 in Malagasy Republic 2529
 in Malawi 389, 391, 4501, 7507
 in Morocco 7511
 in New South Wales 3701
 in Nigeria 4376
 in Tadzhikistan 6920
 in Thailand 3176, 3178-3179
 in Turkmenia 5642
 in USSR 1167, 3856
 in Uzbekistan 6182
- Heliothis* nuclear polyhedrosis virus in
 determination of activity of 387
 persistence of 6330
- H. virescens* on 768
 assessing infestations of 2996
 in Oklahoma 3706
 in Texas 2990, 2996, 3698, 3709,
 4373-4374, 4548, 6794

Cotton *contd.*

- Heliothis virescens* on *contd.*
 in USA 897
 oviposition by 7393
 resistance to 897, 3709
- H. zea* on 768
 assessing infestations of 2996
 distribution pattern of 3574
 in Arkansas 997
 in California 898
 in North Carolina 94
 in Oklahoma 3574, 3706
 in Texas 2990, 2996, 3698, 3709, 4374,
 4548
 in USA 897
 oviposition by 7393
 resistance to 897, 3709
- Hibiscus cannabinus* mosaic virus in, in El
 Salvador 1575
- Hippelates pusio* on 2180
- insect pests of
 in Malawi 4983
 in Punjab 6188
 in Zambia 4982
- insect populations on, effects of irrigation
 and plant density on 889
- insecticides in
 effects of 894
 effects on germination of 892
- insects associated with, in Arizona 3714
- Isaniris decorsei* on, in Chad 3009
- Kyboasca bipunctata* on
 damage caused by 6183
 in Uzbekistan 6183
- Loxostege* spp. on, in North America 7032
- Lygus elisus* on, in California 1175
- L. hesperus* on
 in California 889, 1175
 resistance to 390
- Lytta dimidiata* on, in Brazil 4937
- malathion in, residues of 7661
- Melanotus depressus* on, development of 2491
- Microcerotermes diversus* on, in Iran 7287
- minerals in 2992
- monocrotophos in, residues of 7661
- Myllocerus undecimpustulatus* on
 in Haryana 3008
 in Tamil Nadu 3713
- Noctuidae on
 in Malagasy Republic 4024
 in Uzbekistan 6182
- okra mosaic virus in, infectivity of 6145
- Pantomorus glaucus* on, in Brazil 4760
- Pectinophora gossypiella* on 614
 damage caused by 4368, 4375
 distribution pattern of 3702, 5646
 effects of irrigation on 3007, 5644
 in Arizona 890, 2999, 3007, 4978
 in California 3712

Cotton contd.

Pectinophora gossypiella on contd.

in Egypt 2546, 3002, 3702-3704, 4018,
4364-4365, 4368, 4375, 4977, 5646,
7614

in Haryana 2095, 3008, 3905

in Mexico 385

in Morocco 7511

in Nigeria 4376

in Punjab 393

in Sudan 3705

in Tamil Nadu 4116

in Texas 4373

in USA 5644

in Venezuela 2092

resistance to 3491, 4979, 4984
evaluation of 4978

Pempherulus affinis on

in Tamil Nadu 3004, 6187

resistance to 3004

pest control on 3956

deposit efficiency of sprays for 2997

effects on seed grade of 7517

in Arizona 2249

in central Africa 5961

in Egypt 2579

in Malawi 2246

in Swaziland 5221

in Tadzhikistan 386

in Texas 2298

in USA 4589, 5211, 7396

integrated 1642

ULV sprays for 4377, 4500, 7507,
7511, 7515

water-based ULV formulations for
4501

pest management on 4373

economics of 7395

pests of 4743

assessing infestations of 2091

in Africa 2086

in Egypt 4358

in Malawi 7685

in Mexico 3699

in Punjab 1484

in Swaziland 4981

in Turkey 5648

in Uganda 1487

in USA 7396

in Venezuela 2091

resistance to 1487

Phenacoccus gossypii on, in Peru 701

phosfolan in, translocation of 6186

Phycita infusella on, in Punjab 6795*Poekilocerus pictus* on, in Pakistan 5399

Polyphagotarsonemus latus on

damage caused by 1486

in Brazil 1486

Psallus seriatus on

assessing infestations of 3006

development of 7389

in Oklahoma 3006

Cotton contd.

Psallus seriatus on contd.

in Texas 4373, 6373, 7389

models of 6373

Pseudococcus neomaritimus on, in Peru
701

Ptyelus sexvittatus on 2371

Pyrrhocoridae on, in Angola 82

Sacadodes pyralis on, in Venezuela 2092

Sathrobrotia simplex on, in Punjab 393

Smynthuroides betae on

damage caused by 5647

in Turkmenia 5647

Spodoptera exigua on

damage caused by 5641

in California 898

in Egypt 4018, 4364

in Uzbekistan 6182

in Yemen 5641

S. frugiperda on, in Venezuela 2092

S. littoralis on 1898

assessing infestations of 3501

development of 3439

distribution pattern of 2094, 4359,
4976, 5645

effects of gossypol on insecticide
susceptibility of 1488

feeding by 3403

forecasting infestations of 4363

in Egypt 1485, 2094, 2546, 3501,

3895, 4018, 4359, 4363-4365,

4974-4976, 5506, 5645, 7614

in Israel 4370

in Pakistan 5399

in Turkey 7566

resistance to 895

S. litura on 1112

Sylepta derogata on

in Karnataka 6185

in Punjab 4980

varietal preferences of 6185

Tetranychidae on

in Rhodesia 1049

in Uzbekistan 6182-6183

Tetranychus spp. on, in Argentina 4361

T. arabis on

effects of water shortage on 1815

in Egypt 891, 3001

T. cinnabarinus on

effects of planting date on 5639

in Egypt 3274, 5639

in Rhodesia 5947

T. cucurbitacearum on, in Egypt 891,
3001

T. lombardini on, in Rhodesia 5947

T. ludeni on, in Rhodesia 5947

T. turkestanii on

in Egypt 3707

in USSR 6102

T. urticae on

damage caused by 396, 6796

in Brazil 6796

Cotton *contd.*

- Tetranychus urticae* on *contd.*
 in Mississippi 3010
 resistance to 396
- thiofanox in, metabolism of 535, 5169
- Thrips flavus* on, in Bulgaria 3700
- T. tabaci* on
 damage caused by 4369
 in Bulgaria 3700
 in Egypt 4366, 4369
 in Tamil Nadu 893
 in Thailand 3179
- Thysanoptera on, in Texas 4374
- trichlorphon in, residues of 3917
- Trichoplusia ni* on 1196
 in California 388, 898
- Tropicomyia theae* on, in Madhya Pradesh 3519
- Cotton blue disease**
 control of, vector control for 3806
 virus, in, cotton, in Central African Republic 3806
- Cotton fibre**, effects of insecticides on quality of 7392
- Cotton fields**
Amblyseius gossypi in, effects of planting date on 5639
 arthropod predators in, effects of insecticides on 3712
 arthropods in, in California 2576
 beneficial arthropods in, in Tadzhikistan 386
 beneficial insects in, sampling of 3006
Chrysopa spp. in
 in Mexico 3699
 in South Africa 5469
C. zastrowi in, in South Africa 4223
Collops spp. in, in Oklahoma 3006
Cycloneda sanguinea in, in Mexico 3699
Geocoris pallens in, in California 889
Hippodamia spp. in, in Oklahoma 3006
Notoxus monodon in, in Oklahoma 3006
Orius spp. in, in Mexico 3699
O. tricolor in, in California 889
 predatory arthropods in
 effects of interplanted grain crops on 3706
 in Texas 7276
 migration from sorghum fields of 7276
- Stethorus* spp. in, in Uzbekistan 7185
- Cotton meats**, diet component for,
Diparopsis castanea 1840
- Cotton pollen**, diet component for, *Bruchus pisorum* 3664
- Cottonseed**
 acephate in, residues of 2657
 bromomethane in, effects on germination of 3797
 carbon disulfide in, effects on germination of 3797
 DDT in, residues of 4576

Cottonseed *contd.*

- Lasioderma serricorne* in, development of 4096
 methamidophos in, residues of 2657
 pests of 5699
 phosphine in, effects on germination of 3797
 propargite in, determination of 1826
 quality of, effects of pest control on 7517
 thiofanox in, residues of 5169
- Cottonseed flour**, diet component for,
Heliothis zea 3408
- Cottonseed meal**
 diet component for, *Heliothis zea* 3408
 in mushroom compost, effects on
Lycoriella auripila of 1924
Lasioderma serricorne in, development of 4096
- Cottonseed oil**, bait-spray component for,
Pectinophora gossypiella 3209
- Cottonwood** (see *Populus*)
- Cottonwood, eastern** (see *Populus deltoides*)
- Coturnix coturnix* (see Quail)
- Coumarin** (see 2*H*-1-Benzopyran-2-one)
- Counter** (see Phosphorodithioic acid, *S* [[(1,1-dimethylethyl)thio]methyl] *O,O* diethyl ester)
- Courgette** (see Squash)
- Courtship**, *Apanteles glomeratus* 7114
- Cowpea** (see *Vigna unguiculata*)
- Cowpea aphid-borne mosaic virus**
 hosts of 2931, 4948, 7352
 in
Acyrtosiphon pisum, transmission of 4948
A. sesbaniae, transmission of 4948
Aphis craccivora, transmission of 2931, 4948, 7061, 7352
A. gossypii, transmission of 7352
Myzus persicae, transmission of 7352
Vigna unguiculata
 in Iran 4948
 in Java 2931
 in Punjab 7352
 symptoms of 4948
 relation of potato virus Y and 4948
- Cowpea banding mosaic virus**
 control of 2053
 in, *Vigna unguiculata*, in Delhi 2053
 vectors of 2053
- Cowpea chlorotic spot virus**
 control of 2053
 in, *Vigna unguiculata*, in Delhi 2053
- Cowpea mosaic virus** 860
- Cowpea necrosis virus**
 control of 2053
 in, *Vigna unguiculata*, in Delhi 2053
 vectors of 2053

Cowpea phyllody

causal agent

in

Vigna unguiculata

in Tamil Nadu 2930

symptoms of 2930

vectors of 2930

coxendix, Oscinella**CPMC** (see Carbamic acid, methyl-, 2-chlorophenyl ester)**Crab**

DDT in, residues of 2299

in rice swamps, effects of insecticides on 1044

metalkamate in, effects of 523

mirex in, residues of 2299-2300

organochlorine insecticides in, residues of 6981

Crab apple*Euproctis fraterna* on

feeding preferences of 4653

in Punjab 4653

Noctuidae on, in Ohio 323

Crab, blue (see *Callinectes sapidus*)**craccae, Aphis****craccivora, Aphis****Crambini**

in New Zealand 3977

taxonomy of, revision of 3977

Crambus simplex, taxonomy of, transferred to *Orocrambus* 3977**cramerii, Clania****Cranberry** (*Vaccinium macrocarpon* and *V. oxycoccus*)*Apis mellifera* on, as pollinator 3319**crantor, Apanteles** (see *A. contortus*)**crassa, Agrotis****crassa, Hockeria****crassicauda, Alpinacris****crassicornis, Diadegma****crassicornis, Draeculacephala****crassicornis, Umbonia****crassipalpis, Pardosa****crassipalpis, Sarcophaga****crassipennis, Ectophasia**
(*Phasia*)**crassipes, Apiomerus****crassiuscula, Phobocampe****Crassostrea commercialis**

DDT in, residues of 5198

dieldrin in, residues of 5198

Crassostrea virginica

DDE in, residues of 5199

dieldrin in, residues of 5199

toxaphene in, residues of 3921

crassula, Macrophyia**Crassulaceae, Phytomyza** spp. on 7016**crataeganus, Archips****crataegarius, Ovatius****crataegi, Aporia****crataegi, Dysaphis****crataegifolius, Epitrimerus****Crataegus***Aporia crataegi* on, in USSR 7304*Epitrimerus crataegifolius* on, in Ohio 3985*Eulecanium tiliae* on, in British Columbia 6211*Euproctis kargalika* on, in Iran 6548*Hemichroa militaris* on 5227*Operophtera brumata* on, in Denmark 1163*Orgyia antiqua* on 1032*Pemphigidae* on, in Switzerland 3373*Prociophilus pini* on, in Denmark 6830**Crataegus monogyna, Yponomeuta padellus**
on, in Netherlands 5226**Crataegus oxyacantha***Eurhodope advenella* on, in Hungary 4211*Hedya nubiferana* on, in Hungary 4211**crawi, Antonina****Crayfish** (see also *Orconectes*)**Creiis costatus**

in Australia 4400

on *Eucalyptus blakelyi*, in Australia 4400**Cremastus**, parasitising, *Monopis**leuconeurella*, in India 151**Cremastus flavoorbitalis**

in Japan 815

in USA (Hawaii) 1987

parasitising

Hedylecta blackburni, in Hawaii 1987*Sesamia inferens*, in Kagoshima Prefecture 815**Crematogaster**

in Papua New Guinea 1490

in cacao plantations, in Nigeria 3015

on cacao, in Papua New Guinea 1490
preying on, *Coelaenomenodera elaeidis*, in
West Africa 1166

rearing of, techniques for 4722

Crematogaster africana, group of, in cacao
plantations, in Ghana 7402**Crematogaster buchneri**

in Nigeria 2103

on cacao

damage caused by 2103

in Nigeria 2103

Crematogaster castanea

in Ghana 7401

in cacao plantations, in Ghana 7401

Crematogaster clariventris

in Nigeria 2103

on cacao

damage caused by 2103

in Nigeria 2103

Crematogaster depressa

in Ghana 7401

in cacao plantations, in Ghana 7401

Crematogaster scutellaris

in France 2722

tending, *Saissetia oleae*, in France 2722

- Crematogaster striatula***
 in Ghana 400, 7402
 in cacao plantations, in Ghana 7402
 on cacao, in Ghana 400
Phytophthora palmivora in, transmission of 400
- crenatus, Hylesinus***
crenulata, Atractomorpha
Creobius eydouxii
 in Argentina 774
 preying on, Scarabaeoidea, in Argentina 774
- Creosote***
 with benzene, and 1,4-dichlorobenzene against, *Gastrallus indicus*, in books 5068
 fumigant for, books 5068
- Cresol red**, in phosphine indicator strips 4544
- cretica, Sesamia***
creutzeri, Bradybatus
cribraria, Argina
cribrarium, Coptosoma
cribrumalis, Macrochilo
Cricket (see Gryllidae)
Cricotopus metatibialis
 in Japan 1355
 in rice-fields, in Tokushima Prefecture 1355
 seasonal abundance of 1355
- crinalis, Pityophthorus***
crinicornis, Colaspis
crinita, Phyllophaga
crinita, Pleocoma
crinitus, Sitona
Crioceris asparagi
 biology of 3647
 defensive behaviour in 6539
 development in 2726
 in Canada 6143
 in USA 3647
 on asparagus
 distribution pattern of 6143
 in Massachusetts 3647
 in Ontario 6143
 parasitised by
Tetrastichus asparagi 2726
 in Massachusetts 3647
 predators of, in Massachusetts 3647
 preyed on by
Cyanocitta cristata 6539
Formica polyctena 1266
Parus atricapillus 6539
Tetrastichus asparagi 2726
- Crioceris duodecimpunctata***
 defensive behaviour in 6539
 preyed on by
Cyanocitta cristata 6539
Parus atricapillus 6539
- cristata, Petrova***
cristator, Chorinaeus
cristatus, Pterostichus
crocea, Hemichroa
croceicornis, Brachyponera
croceipes, Microplitis
croceogastralis, Brachymeria
Crocidolomia binotalis
 control of, insecticides for 730, 4932, 6147
 in India 4932, 6147
 in Indonesia 730
 on cabbage
 in Indonesia 730
 in Rajasthan 4932
 seasonal abundance of 730
- Croesia bergmanniana***
 in Poland 406
 on *Rosa rugosa*, in Poland 406
- Croneton** (see Ethiofencarb)
- Crookneck** (see Squash)
- Crop protection**, energy considerations in 491
- Crops**
 horizontal resistance in 6376
 insect damage to
 appraisal of 6380
 availability of figures for 6379
 termites on, in Chekiang Province 6645
- Crossotarsus***, mycetangia in 4401
- Crossotarsus brevidens***
 sp. nov., description of 7029
 in Thailand 7029
 on *Quercus*, in Thailand 7029
- Crossotarsus externedentatus***
 biology of 5674
 in Western Samoa 5674
 on *Eucalyptus*, in Western Samoa 5674
- Crossotarsus fagacearum***
 sp. nov., description of 7029
 in Thailand 7029
- Crotalaria***, shade tree in coffee plantations 3017
- Crotalaria juncea***
Argina cribraria on
 development of 4379
 in India 6154
 cowpea aphid-borne mosaic virus in, symptoms of 7352
Cydia pseudonectis on, in Madhya Pradesh 7203
Utheisa pulchella on, in India 4378
- Crotalaria semperflorens, Tiracola plagiata***
 on, in Papua New Guinea 4989
- Croton***
Icerya seychellarum on, in Madhya Pradesh 7385
Psallus seriatus on, development of 7389
Trialeurodes vaporariorum on 5344
- Crow** (see *Corvus*)
- Crow, hooded** (see *Corvus corone*)
- Cruciferae**
 aphids on, in Poland 1926
Ceutorhynchus spp. on, in Poland 2745

Cruciferae contd.

- Entomoscelis americana* on, in Mantioba 5077
Eriophyes drabae on, in Poland 2745
Euxoa spp. on, in Ontario 6360
Hemiptera on, in Poland 2039
mites on, in Poland 4748
Phytomyza horticola on, in India 855
Poophagus sisymbrii on, in Poland 2745
Psylliodes cupreus on, in Poland 2745
thrips on, in Himachal Pradesh 7028
Thysanoptera on, in Poland 3568

cruciferae, Phyllotreta**cruciferarum, Bagrada** (see *B. hilaris*)**Crucifers**

- Agrotis ipsilon* on, in Japan 113
Ceutorhynchus spp. on
damage caused by 6928
in Poland 6928
Dasineura brassicae on
damage caused by 6928
in Poland 6928
Delia platura on, in Netherlands 6773
Meligethes aeneus on
damage caused by 6928
in Poland 6928
Myzus persicae on, in Switzerland 6787
pest control on 7528
pests of
in North Carolina 2915
in West Germany 6993
Plutella xylostella on
damage caused by 6762
in Canada 6762

crucivora, Pieris rapae**cruda, Orthosia****crudus, Haplaxius****cruentatus, Rhipiphorothrips****Crufomate** (2-chloro-4-(1,1-dimethylethyl)phenyl methyl methylphosphoramidate)
determination of 1209**Crustecdysone, 2-deoxy-** (see Cholest-7-en-6-one, 3,14,20,22,25-pentahydroxy-, (3 β ,5 β ,22R)-)**Cryphalus fulvus**

- attractants for 1068
control of, insecticides for 1519
on *Pinus* 1519, 1784
sterilisation of, γ -irradiation for 1784

Cryphalus kesiyae

- sp. nov., description of 7029
in Thailand 7029

Cryphalus piceae

- in Greece 5000
on *Abies cephalonica*, in Greece 5000

crypta, Clavaspis**Cryptarcha**, in stored maize, in USA 1846**Cryptarcha ampla**

- in USA 7410
life-cycle of 7410
on *Quercus*, in Mississippi 7410

Cryptarcha strigatula

- in USA 7410
life-cycle of 7410
on *Quercus*, in Mississippi 7410

cryptobius, Subacyrthosiphon**Cryptoblabes gnidiella**

- biology of 6068
control of
Bacillus thuringiensis for 6743
insecticides for 6068
in Egypt 3780, 4836
in India 6068
in Israel 6743

- in stored garlic, in Egypt 3780

- on avocado, in Israel 6743
on maize, in Egypt 4836
on sorghum, in Uttar Pradesh 6068
seasonal abundance of 4836

Cryptoblabes laricana

- in Japan 1094
parasitised by, *Coccysgomimus acutulus*, in Japan 1094

Cryptococcus fagi

- in Iran 6217
in UK 2156
Nectria spp. in, transmission of 2156
on *Fagus*, in UK 2156
on *Fagus orientalis*
damage caused by 6217
in Iran 6217

Cryptognatha nodiceps

- preying on
Aspidiotus destructor 767
and biological control using, in Principe 2845

Cryptolaemus, rearing of, techniques for 6017**Cryptolaemus montrouzieri**

- in USA (Hawaii) 4386
preying on
Coccus viridis, in Hawaii 4386
mealybugs 767

sex ratio in 4386**Cryptolechia ammopleura**

- biology of 5938
in South Africa 1500, 5938
on protea
damage caused by 5938
in South Africa 5938
on *Protea barbigera*
damage caused by 1500
in South Africa 1500

Cryptolestes

- in *Ephestia kuehniella* nests 4712
in sunflower seeds, in Yugoslavia 5718
population density of 5718

Cryptolestes ferrugineus

- climatic plasticity of 6236
control of 1557
fumigants for 4443, 5061
insecticides for 5062

***Cryptolestes ferrugineus* contd.**

- 1,2-dibromoethane in, sex-related tolerance to 6865
- in Australia 1557
- in Canada 1551, 6293, 6865
- in East Germany 2172
- in rail freight wagons 6293
- in rape seeds, unable to develop 6323
- in stored grain
 - effects of pneumatic conveyers on 2172
- in Canada 1551
- in East Germany 2172
- in Victoria 1557
- in stored wheat
 - damage caused by 6318
 - effects of dockage on 5054
- in sunflower seeds, development of 6323
- traps for 1551,

Cryptolestes pusillus

- Bacillus thuringiensis* in 5729
- behaviour in, effects of light on 3782
- control of
 - inert atmospheres for 7444
 - inert dusts for 5709
 - insecticides for 5708
- development in, suitability of natural foods for 3096
- food preferences of 7458
- in USA 5709
- in composite cans, resistance to 4431
- in milk powder 7458
- development of 7459
- in stored maize 5050
 - interactions of other pests and 3784
- in stored rice 5050
- in stored wheat 5050
 - in Kansas 5709
- in wheat flour 7458
- male genitalia in 7036

Cryptolestes spartii

- in Egypt 3780
- in stored garlic, in Egypt 3780

Cryptolestes turcicus

- development in, suitability of natural foods for 3096
- in stored wheat, effects of dockage on 5054

Cryptomeria japonica

- Oligonychus hondoensis* on
 - in Japan 5734
 - in Nagasaki Prefecture 3739

Cryptophagidae*, in dwellings, in West Germany 1249**Cryptophagus*, in rail freight wagons 6293*****Cryptophagus varus***

- in Canada 1551
- in stored grain, in Canada 1551
- traps for 1551

Cryptophlebia batrachopa

- in Malawi 7685
- on *Macadamia*, in Malawi 7685

Cryptophlebia leucotreta

- biology of 5939
- control of
 - crop management for 2084
 - insecticides for 2084, 4376, 5939, 6139
- in Nigeria 4376
- in South Africa 5939, 6139
- in Uganda 1487
- on cotton
 - in Nigeria 4376
 - in Uganda 1487, 2084
 - resistance to 1487
- on maize, in Uganda 2084
- on orange, in South Africa 6139
- on peach, in South Africa 5939
- on sorghum, in Uganda 2084
- parasites of, effects of pesticides on 6139
- parasitised by
 - Actia cuthbertsoni*, in Uganda 2084
 - Apanteles typhon*, in Uganda 2084
 - Ascogaster* spp., in Uganda 2084
 - Trichogramma* spp., in Uganda 2084
 - Trichogrammatoidea lutea*, in South Africa 6139
- rearing of, techniques for 133

Cryptophlebia ombrodelta

- biology of 2861-2862
- descriptions of 2861
- in Australia 2861-2862
- on *Macadamia*, in Queensland 2862
- on *Macadamia ternifolia*, in Queensland 2861
- on *Macadamia tetraphylla*, in Queensland 2861

Cryptorhynchus lapathi

- control of, insecticides for 2144
- in Italy 2144
- on *Populus*, in Italy 2144

Cryptostigmata*, biology of 2326**Cryptotaenia japonica* witches' broom**

- disease, causal agent, in, *Macrosteles orientalis*, transmission of 462

Cryptotermes frenchi*, in Australia 3106**Cryptotermes primus***

- biology of 216
- control of 216
- in Australia 216, 3106
- in farm buildings, in Queensland 216
- in power-transmission poles, in Queensland 3106

Crypturgus cinereus

- in USSR 6627
- preying on, bark beetles, in USSR 6627

Crypturgus pusillus

- in Greece 5000
- on *Abies cephalonica*, in Greece 5000

Cryptus*, parasitising, *Coraebus florentinus*, in Italy 4409**cryptus*, *Dysmicoccus* (*Planococcus*)*****Cryptophlebia leucotreta***

- in Uganda 2084
- traps for 2084

CSM, pests of, in USA 3089

CT 5 (see 1,3-Benzodioxole, 5-[6-(3,3-dimethyloxiranyl)-4-methyl-1,3-hexadienyl]-)

Ctenicera

control of 4763

in UK 4763

Ctenicera destructor

orientation in

to CO₂ 4744

to ethene 4744

to germinating seeds 4744

Ctenicera incana

in Finland 4833

on oats, in Finland 4833

Ctenichneumon panzeri

in USSR 5458

parasitising, *Agrotis segetum*, in

Uzbekistan 5458

Ctenochira flavicauda

biology of 3056

distribution of 3056

in Austria 3056

parasitising, *Pristiphora abietina*, in

Austria 3056

Ctenochiton, taxonomy of 3992

Ctenoplusia etiennei

sp. n., description of 3980

in Réunion 3980

Ctenuchidae, preying on, *Lymantria dispar*,

in Azerbaijan 6204

Cuba

Allotising binotata in, on *Thrinax wendlandiana* 7288

Eriophyes chrysophylli in 2538

E. lantanae in, on *Lantana camara* 222

Ips grandicollis in, on *Pinus* 4150

Leptinotarsa undecimlineata in, natural enemies of 2195

α-Cubebene, with 5-ethyl-2,4-dimethyl-6,8-dioxabicyclo[3.2.1]octane, and 4-methyl-3-heptanol, attractant for, *Scolytus multistriatus* 2132, 3736, 4632

Cuckoo (see *Cuculus canorus*)

Cucujidae, male genitalia in 7036

Cuculus canorus, eggs of, organochlorine residues in 1047

Cucumber and gherkin (*Cucumis sativus*)

acaricides in, residues of 5805

Acyrtosiphon pisum on, feeding by 5342

Aphis fabae on, feeding by 5342

A. gossypii on

feeding by 5342

in East Germany 5620

in Russian Republic 6354

insecticide susceptibility of 4934

arthropod pests of, in UK 545

bean vein-banding mosaic virus in

aphid transmission of 2187

symptoms of 2187

Dacus ciliatus on, in Pakistan 2922

Cucumber and gherkin contd.

Dacus contd.

D. cucurbitae on, in Pakistan 2922

datura enation mosaic virus in, symptoms of 907

Delia platura on, damage caused by 4195

demeption in, residues of 1688, 5805

dimethoate in, residues of 5805

Euxoa spp. on, in Ontario 6360

formetanate in, toxicity of 4557

Hyalemya platura on, oviposition by 3457

insect pests of, in Quebec 5475–5476

leptophos in, toxicity of 4557

Liriomyza sativae on, in Ontario 6175

Macrosiphum euphorbiae on, feeding by 5342

Megoura viciae on, feeding by 5342

Myzus persicae on, feeding by 5342

Palpita hyalinata on, in Antilles 3853

P. indica on, development of 5903

P. nitidalis on, in Peru 357

pawpaw mosaic virus in, aphid transmission of 5589

pest control on

biological 798

in Poland 6757

in UK 979

in Wisconsin 358

phosalone in, toxicity of 4557

Tetranychidae on

in France 977

in Moldavia 5745

in Netherlands 6903

in Poland 6918

Tetranychus turkestanii on

distribution pattern of 1174

in Bulgaria 1638, 3655

T. urticae on 2921

control of 5793

damage caused by 4935

distribution pattern of 1174

in Bulgaria 1638

in East Germany 4935, 5805

in Finland 974

in Hokkaido Prefecture 7523

in Japan 3840

in Netherlands 4512, 6909

in Norway 973

in Romania 1027

in Sweden 975

Thrips tabaci on, in Norway 973

Trialeurodes vaporariorum on

in Netherlands 978, 4512, 6903

in UK 6151

Udea ferrugalis on, development of 5591

Cucumber and gherkin (stored seeds)

carbon disulfide in, effects on germination of 3799

phosphine in, effects on germination of 3799

- Cucumber and gherkin (stored seeds)** *contd.*
Plodia interpunctella in, in Bulgaria 2166
- Cucumber, bur** (see *Sycios angulatus*)
- Cucumber mosaic virus**
 control of 4925
 hosts of 5069
 in
 aphids, transmission of 4295
 Aphis gossypii, transmission of 3122
 Bougainvillea glabra, in Uttar Pradesh 3122
 Capsicum spp., aphid transmission of 5069
 C. annuum, in Israel 4456
 celery, aphid transmission of 5069
 Gladiolus, in Connecticut 4995
 lettuce, in New York 4925
 lucerne 4295
 Macrosiphum euphorbiae, transmission of 4925
 Myzus persicae, transmission of 3122, 4925, 5069
 Trifolium pratense, in Yugoslavia 5069
 Uroleucon pseudambrosiae, transmission of 4925
- cucumeris, Typhlodromus**
 (*Amblyseius*)
- Cucumis africanus, Tetranychus urticae** on, resistance to 2921
- Cucumis anguria, Tetranychus urticae** on, resistance to 2921
- Cucumis callosus, Dacus cucurbitae** on, resistance to 6152
- cucumis, Dacus**
- Cucumis ficifolium, Tetranychus urticae** on, resistance to 2921
- Cucumis leptodermis, Tetranychus urticae** on, resistance to 2921
- Cucumis longipes, Tetranychus urticae** on, resistance to 2921
- Cucumis melo**
 Dacus ciliatus on, in Pakistan 2922
 D. cucurbitae on
 in Pakistan 2922
 relation of amino acids and 6152
 Tetranychus urticae on, resistance to 2921
- Cucumis melo var. cantaloupensis** (see Melon (cantaloupe and musk))
- Cucumis melo var. chate, Tetranychus cucurbitacearum** on, in Egypt 1445
- Cucumis melo var. inodorus** (see Melon (cantaloupe and musk))
- Cucumis melo var. momordica, Palpita indica** on, in Uttar Pradesh 4334
- Cucumis sativus** (see Cucumber and gherkin)
- Cucurbita citrullus, Aphis gossypii** on, morphology of 2373
- Cucurbita maxima** (see also Squash)
 Aonidiella aurantii on 137
 Aspidiotus destructor on 1386
- Cucurbita moschata** (see also Squash)
 Palpita indica on, in Uttar Pradesh 4334
- Cucurbita pepo** (see also Squash)
 Hylemya platura on 2489
- Cucurbitaceae**
 Anadevidia peponis on, feeding by 6150
 Heliothis zea on, development of 4184
- cucurbitacearum, Tetranychus** (see *T. cinnabarinus*)
- cucurbitaceus, Dicyphus**
- cucurbitae, Dacus**
- cucurbitae, Tetranychus** (see *T. neocaledonicus*)
- Cucurbits**
 Anadevidia peponis on, in Japan 1832
 Henosepilachna vigintioctopunctata on 1297
 in India 1299
 Malcus scutellatus on, in Tamil Nadu 1847
 Margaritia sticticalis on, in Ukraine 5402
 Megymenum insulare on, in Queensland 2671
 Poecillocerus pictus on, in Pakistan 5399
 Syngrapha circumflexa on, in Egypt 4182
- Tetranychidae** on, in USSR 6619
- Tetranychus turkestanii** on 1927
 in USSR 6102
- Trialeurodes vaporariorum** on 490
- Udea ferrugalis** on, in Bulgaria 3510
- virus diseases of, in Israel 6324
- Cue-lure** (4-[4-(acetyloxy)phenyl]-2-butanone)
 attractant for
 Callantra spp. 3344
 Dacus spp. 3344
 D. cucurbitae 2411, 4174, 4507
 D. dorsalis 4174
 D. umbrosus 4174
 extenders for, Thixcin E as 4507
 in fish, toxicity of 5197
 in rabbit, toxicity of 5197
 in rat, toxicity of 5197
 with 4-(4-hydroxyphenyl)-2-butanone
 attractant for
 Callantra spp. 3344
 Dacus spp. 3344
- Cuerna arida**
 development in 838
 in USA 838
 on grasses, in Arizona 838
 on *Panicum antidotale*, development of 838
- Cuerna balli**
 development in 838
 in USA 838
 on grasses, in Arizona 838

***Cuerna balli* contd.**

on *Panicum antidotale*, development of 838

on shrubs, in Arizona 838

Culebra*, *Pheidole moerens* in 5432**Culex pipiens***

carbaryl in, bioassay for 7661

control of, insecticides for 3961

DDT in, bioassay for 7662

dicofol in, bioassay for 7662

insecticides in, toxicity of 7660

malathion in, bioassay for 7661–7662

monocrotophos in, bioassay for 7661

Culicidae

carbamates in, fate of 5785

control of, insecticides for 5773, 7584

in rice swamps, effects of insecticides on 1044

Microsporidia in, in Puerto Rico 3137

Culicoides

on cacao

as pollinator 402

in Ghana 402

culpatorius*, *Amblyteles**Cumin (see *Cuminum cyminum*)*****Cuminum cyminum* (stored seeds),**

Lasioderma serricorne in, development of 4096

Cunaxa capreolus

biology of 4129, 6616

in Egypt 6616

in USA 6616

preying on

Eutetranychus orientalis 6616

Psocoptera 4129, 6616

Cunaxidae

descriptions of 552

preying on, scale insects 552

taxonomy of, revision of 552

Cunaxoides*, descriptions of 552**cunea*, *Hyphantria******cuniculus*, *Bothynus*, (*Ligyris*)*****Cunninghamella elegans*, aldicarb in,**

metabolism of 6420

Cuphocera varia

descriptions of 1302

in Malaysia 1302

parasitising, *Spodoptera mauritia*, in Sarawak 1302

cuprea*, *Anomala***cupressi*, *Pseudencyrtoides******cupressi*, *Walshomyia***

Cupressus, *Walshomyia cupressi* on, in California 6998

Cupressus macrocarpa, *Masonaphis morrisoni* on, in England 5409

cupreus*, *Psylliodes***cupreus*, *Pterostichus******cuprina*, *Lucilia*****Curaterr (see Carbofuran)*****Curculio caryae***

Beauveria bassiana in

in Arkansas 3824

in Mississippi 3824

biology of 319

emergence in 2560, 7300

detection of 7297

in USA 3824, 4131, 6715–6716, 7297, 7300

in soil, distribution pattern of 4131

Metarhizium anisopliae in

in Arkansas 3824

in Mississippi 3824

on pecan

assessing infestations of 6715–6716

in Georgia (USA) 7297

in Oklahoma 6715–6716

in Texas 7300

oviposition in 7300

Pseudomonas aeruginosa in

in Arkansas 3824

in Mississippi 3824

Serratia marcescens in

in Arkansas 3824

in Mississippi 3824

traps for 2560

Curculio elephas

biology of 7299

in Switzerland 7299

in Yugoslavia 5121

on *Aesculus hippocastanum*, in

Yugoslavia 5121

on *Castanea sativa*

in Switzerland 7299

in Yugoslavia 5121

traps for 5121

Curculio glandium

in Yugoslavia 5121

on *Quercus*, in Yugoslavia 5121

traps for 5121

Curculio nucum

biology of 1405

carbaryl resistance in, in Turkey 7565

control of, insecticides for 1405, 6714

in Poland 1405

in Turkey 6714, 7565

methiocarb resistance in, in Turkey 7565

on hazel

in Poland 1405

in Turkey 6714, 7565

Curculio sayi

biology of 4896

control of, insecticides for 4896

in USA 4896

on *Castanea mollissima*

damage caused by 4896

in Georgia (USA) 4896

Curculio venosus

in Yugoslavia 5121

traps for 5121

Curculionidae

control of, growth regulators for 5885

- Curculionidae** *contd.*
 food-plants of 5826
 in Arizona 6652
 in Tadzhikistan 5826
 in grassland
 effects of burning on 2525
 effects of grazing on 2525
 in Kansas 2525
 on *Fagus*, in Denmark 2131
 overwintering in 2677
 review of 6613
- curculionis, Aliolus**
curculionis, Bathyplectes
Curculionoidea
 in Mongolia 4142
 on *Protea barbiger*
 damage caused by 1500
 in South Africa 1500
- Curcuma aromatica, Udaspes folus** on, in Kerala 6030
- Curcuma longa** (see Turmeric)
- Currant**
 insect pests of, in Quebec 5533
Quadraspidiotus perniciosus on, in West Germany 6086
- Currant, black (Ribes nigrum)**
 arthropod pests of, in UK 545
Cecidophyopsis ribis on
 damage caused by 1395
 in Bulgaria 1395
 in East Germany 1398
 in England 1997
 in Poland 1397
 currant reversion virus in
 in Bulgaria 1395
 in England 1997
Hyperomyzus lactucae on, in UK 6093, 6427
Synanthedon tipuliformis on
 in France 6712
 in Poland 1396
 Tetranychidae on 5995
- Currant, red**
Cecidophyopsis ribis on, in East Germany 1398
Parthenolecanium corni on, in England 5546
- Currant reversion virus**
 in
 black currant
 in Bulgaria 1395
 in England 1997
Cecidophyopsis ribis
 in England 1997
 transmission of 1395, 1398, 1997
- Currant (stored fruit), pest control in,**
 fumigants for 6248
- Currant, white, Cecidophyopsis ribis** on, in East Germany 1398
- curtus, Lemophagus**
curvator, Hypsicera, (Triclistus)
curvidens, Ips, (Pityokteines)
curvignathus, Coptotermes
curvimaculatus, Chelonus
curvipes, Anoplocnemis
 Cushaw (see Squash)
cuthbertsoni, Actia
 Cutworm (see Noctuidae)
Cyamopsis psoraloides (see *C. tetragonoloba*)
Cyamopsis tetragonoloba
Asphondylia spp. on, in Gujarat 2062
Contarinia texana on, damage caused by 3677
 dolichos enation mosaic virus in, in Andhra Pradesh 3805
 green gram mosaic virus in, infectivity of 860
Tetranychus ludeni on, in Andhra Pradesh 3805
- Cyanamid 24055** (see Acetamide, *N*-[4-(3,3-dimethyl-1-triazenyl)phenyl]-)
- cyanea, Phaenops**
cyanea, Scutellista
cyarella, Lema
Cyaneolytta acteon
 biology of 4829
 in India 4829
 on maize, in Punjab 4829
 on *Pennisetum typhoides*, in Punjab 4829
- cyaneus, Lepidocyrtus**
cyaneus, Sirex
Cyanide
 in rat, not inhibiting γ -BHC dehydrogenation 5809
 in *Schistocerca americana*, effects on central nervous ganglia of 1122
- Cyanocitta cristata**
 preying on
Crioceris asparagi 6539
C. duodecimpunctata 6539
- Cyanofenphos (O(4-cyanophenyl) O-ethyl phenylphosphonothioate)**
 against
Orseolia oryzae, on rice 1950
 pests of rice 713
Scirpophaga incertulas, on rice 1950
Tryporyza innotata, on rice 1950
 in fowl, toxicity of 3913
- Cyanophos (O(4-cyanophenyl) O,O-dimethyl phosphorothioate)**
 against
 aphids, on tobacco 7399
Chilo suppressalis, on rice 1966
Conotrachelus psidii, on guava 345
Eupoecilia ambiguella, on grapevine 1999
Lobesia botrana, on grapevine 315
Thrips tabaci, on tobacco 7399
 in fowl, toxicity of 3913
 in rice, residues of 1966
 in *Thaumatomyia*, toxicity of 6018

Cyanophos *contd.*

with Bordeaux mixture, against,
Eupoecilia ambiguella, on grapevine
1999

with zineb, against, *Eupoecilia ambiguella*,
on grapevine 1999

Cyanox (see **Cyanophos**)

Cyanthoate (S[2-[(1-cyano-1-methylethyl)amino]-2-oxoethyl] O,O-diethyl phosphorothioate)
against

Tetranychus arabicus, on cotton 891

T. cucurbitacearum, on cotton 891

T. urticae, on hop 1337

cyanura, Mimastra**Cybocephalus aegyptiacus**

development in, effects of nutrition on
2721

preying on

Aonidiella aurantii 2721

Aspidiotus nerii 2721

Chrysomphalus aonidum 2721

reproduction in, effects of nutrition on
2721

Cybocephalus binotatus

development in, effects of nutrition on
2721

preying on

Aonidiella aurantii 2721

Aspidiotus nerii 2721

Chrysomphalus aonidum 2721

reproduction in, effects of nutrition on
2721

Cybocephalus micans

development in, effects of nutrition on
2721

preying on

Aonidiella aurantii 2721

Aspidiotus nerii 2721

Chrysomphalus aonidum 2721

rearing of, diets for 2721

reproduction in, effects of nutrition on
2721

Cybocephalus nigriceps nigriceps

development in, effects of nutrition on
2721

preying on

Aonidiella aurantii 2721

Aspidiotus nerii 2721

Chrysomphalus aonidum 2721

reproduction in, effects of nutrition on
2721

Cybocephalus nipponicus

in Japan 785

preying on, *Quadraspidiotus*

macroporatus, in Japan 785

Cycas revoluta, *Aspidiotus nerii* on, in
Georgia (USA) 4219

Cyclamen, *Heliethrips haemorrhoidalis* on,
in Bulgaria 3027

Cyclic AMP (see Adenosine, cyclic 3',5'-(hydrogen phosphate))

Cyclobutaneethanol, 1-methyl-2-(1-methylethenyl)-
cis-(+)- (see also Grandlure)

in *Anthonomus grandis*

effects of chemosterilants on
production of 4686

lifetime synthesis potential of 1483
synthesis of 601

Cyclocephala, on sugar-cane, in Dominican
Republic 7225

Cyclocephala insulicola

attractants for 4825

flight activity in 4825

in Guadeloupe 4825

traps for 4825

3,5-Cyclocholestan-6-ol, (5 α ,6 β)-, in

Dermestes maculatus diet, inhibiting
development 4051

2,5-Cyclohexadiene-1,4-dione

in *Agrotis ipsilon*, effects on development
of 5857

in *Odontotermes badius* defensive
secretion 212

2,5-Cyclohexadiene-1,4-dione, 2,3,5,6-tetramethyl-, in *Agrotis ipsilon*, effects
on development of 5857

1,3-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-, in *Myrmecaria natalensis*
poison-gland secretion 1265

1,3-Cyclohexadiene, 2-methyl-5-(1-methylethyl)-, (-), in *Myrmecaria natalensis*
poison-gland secretion 1265

Cyclohexane, 1,2,3,4,5,6-hexachloro- (see
BHC)

(1 α ,2 α ,3 α ,4 β ,5 α ,6 β)- (see BHC (δ -
isomer))

(1 α ,2 α ,3 β ,4 α ,5 α ,6 β)- (see BHC (γ -
isomer))

(1 α ,2 α ,3 β ,4 α ,5 β ,6 β)- (see BHC (α -
isomer))

(1 α ,2 β ,3 α ,4 β ,5 α ,6 β)- (see BHC (β -
isomer))

Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 1,1-dimethylethyl ester (see
Trimedlure)

Cyclohexanepropanoic acid, methyl ester,
attractant component for, *Popillia japonica* 3927

Cyclohexanone, 3-methyl-, inhibitor of
Dendroctonus pseudotsugae response to
aggregation pheromone 4999

Cyclohexanone, 5-methyl-2-(1-methylethyl)-,
inhibitor of *Dendroctonus pseudotsugae*
response to aggregation pheromone
4999

Cyclohexanone, 5-methyl-2-(1-methylethylidene)-, (R)-, inhibitor of
Dendroctonus pseudotsugae response to
aggregation pheromone 4999

- Cyclohexene, 1,2,3,4,5,6-hexachloro-**
in lettuce, γ -BHC metabolite 6422
in rat, γ -BHC metabolite 5809
- Cyclohexene, 1-methyl-,** in *Dendroctonus frontalis*, oxidation of 2383
- Cyclohexene, 1-methyl-4-(1-methylethenyl)-**
Lymantria dispar feeding responses to 4112
- (-)-
in *Myrmecaria natalensis* poison-gland secretion 1265
repellent for, *Papilio demoleus* 1766
- (+)-
attractant for, *Papilio demoleus* 1766
in *Myrmecaria natalensis* poison-gland secretion 1265
- Cyclohexene, 1-methyl-4-(1-methylethylidene)-**
in *Myrmecaria natalensis* poison-gland secretion 1265
- in *Pinus sylvestris* 3345
role in resistance to *Dioryctria zimmermani* of 6838
- with (1 α ,2 α ,5 α)-4,6,6-trimethylbicyclo[3.1.1]hept-3-en-2-ol, attractant for, *Dendroctonus ponderosae* 7414
- Cyclohexene, 1,3,4,5,6-pentachloro-,** in lettuce, γ -BHC metabolite 6422
- 1-Cyclohexene-1-carboxylic acid, 4-(1,5-dimethyl-3-oxohexyl)-**, methyl ester, [S (R*, S*)]-, in *Choristoneura fumiferana*, effects on embryonic respiration of 3341
- 1-Cyclohexenemethanol,** in *Dendroctonus frontalis*, production of 2383
- 3-Cyclohexene-1-methanol, $\alpha,\alpha,4$ -trimethyl-** (S)-, in *Pinus sylvestris* 3345
acetate, (S)-, attractant for, *Cydia molesta* 2889
- 2-Cyclohexen-1-ol, 1-methyl-**
in *Dendroctonus frontalis*, production of 2383
in *Dendroctonus pseudotsugae* 2383
- 2-Cyclohexen-1-ol, 3-methyl-**
in *Dendroctonus frontalis*, production of 2383
in *Dendroctonus pseudotsugae* 2383
in *Dendroctonus pseudotsugae* aggregation pheromone 2449
synergist for, Douglure 5665
- 3-Cyclohexen-1-ol, 3-methyl-6-(1-methylethenyl)-**, in *Ips confusus*, functional unit of 7057
- 3-Cyclohexen-1-ol, 4-methyl-1-(1-methylethenyl)-**, attractant for, *Taenioglyptes fulvus* 3755
- 3-Cyclohexen-1-ol, 4-methyl-1-(1-methylethyl)-**, in *Pinus sylvestris* 3345
- 2-Cyclohexen-1-one, 3-methyl-**
against
Dendroctonus pseudotsugae, on
Pseudotsuga 4391
D. rufipennis, on *Picea* 4391
Dendroctonus rufipennis antiaggregative pheromone 6212
in *Dendroctonus pseudotsugae* aggregation pheromone 2449
inhibitor of *Dendroctonus pseudotsugae* response to aggregation pheromone 4999
- 2-Cyclohexen-1-one, 2-methyl-5-(1-methylethenyl)-**
in *Anthonomus grandis* 72
- (S)-
in dill
insecticidal activity of 1649
synergistic activity of 1649
- 2-Cyclohexen-1-one, 3-methyl-6-(1-methylethyl)-**, inhibitor of *Dendroctonus pseudotsugae* response to aggregation pheromone 4999
- Cycloheximide,** in *Bombyx mori*, effects during starvation of 6476
- Cycloneda sanguinea**
in Canada 3590
in Mexico 3699
in USA 2844
in cotton fields, in Mexico 3699
preying on
aphids, and biological control using, in UK 798
Cerataphis variabilis, in Florida 2844
Rhopalosiphum maidis, in Canada 3590
seasonal abundance of 3699
- 1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-**
in food chains, fate of 4537
mirex thermoproduct 4540
- Cyclopentaneacetaldehyde, 2-formyl-3-methyl- α -methylene-,** in *Iridomyrmex humilis* 68
- Cyclopent[*c*]pyran-3(1*H*)-one, hexahydro-4,7-dimethyl-,** in *Iridomyrmex humilis* 68
- Cyclopropanamine, 2-phenyl-, trans-(\pm)-** (see Translycypromine)
- Cyclopropanecarboxylic acid, 1,4-phenylenedimethylene ester,** against, *Tetranychus urticae*, on strawberry 522
- Cyclopropanecarboxylic acid, 3-(2-carboxy-1-propenyl)-2,2-dimethyl-,** in rat, resmethrin metabolite 1695
- Cyclopropanecarboxylic acid, 3-(cyclopentylidenemethyl)-2,2-dimethyl-, [5-(phenylmethyl)-3-furanyl]methyl ester,** (1*R-trans*)- (see Bioethanomethrin)

Cyclopropanecarboxylic acid, 3-(2,2-dibromoethenyl)-2,2-dimethyl-
cyano(3-phenoxyphenyl)methyl ester, (1*R*-*cis*)-
against

Phaedon cochleariae 4559

Musca domestica 4559

Oiketicus kirbyi, on banana 7329

Alabama argillacea, on cotton 7390

cyano(3-phenoxyphenyl)methyl ester, (1*R*-*trans*)-
against

Phaedon cochleariae 4559

Musca domestica 4559

(3-phenoxyphenyl)methyl ester, (1*R*-*cis*)-
against

Musca domestica 4559

Phaedon cochleariae 4559

(3-phenoxyphenyl)methyl ester, (1*R*-*trans*)-
against

Musca domestica 4559

Phaedon cochleariae 4559

[5-(phenylmethyl)-3-furanyl]methyl ester,
(1*R*-*cis*)-
against

Musca domestica 4559

Phaedon cochleariae 4559

[5-(phenylmethyl)-3-furanyl]methyl ester,
(1*R*-*trans*)-
against

Phaedon cochleariae 4559

Musca domestica 4559

Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-
cyano(3-phenoxyphenyl)methyl ester, (1*R*-*cis*)-
against

Phaedon cochleariae 4559

Musca domestica 4559

cyano(3-phenoxyphenyl)methyl ester, (1*R*-*trans*)-
against

Musca domestica 4559

Phaedon cochleariae 4559

(3-phenoxyphenyl)methyl ester
against

Cydia pomonella, on apple 6110

Alabama argillacea, on cotton 7390

Anthonomus grandis 2990

Attagenus megatoma, in textiles
7461

Chortoicetes terminifera 5987

Choristoneura occidentalis 6821

Delia coarctata, on wheat 7586

Heliothis virescens, on cotton 2990

H. zea, on cotton 2990

H. virescens 6934

Musca domestica 3959

Phaedon cochleariae 3959

Thymelicus lineola 7658

in apple, residues of 6110

Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl- *contd.*
(3-phenoxyphenyl)methyl ester *contd.*
in wool textiles, persistence of 7461
synergists for, piperonyl butoxide as
5987

(3-phenoxyphenyl)methyl ester, (1*R*-*cis*)-
against

Musca domestica 4559

Phaedon cochleariae 4559

in rat, metabolism of 6948

(3-phenoxyphenyl)methyl ester, (1*R*-*trans*)-
against

Musca domestica 4559

Phaedon cochleariae 4559

in rat, metabolism of 6948

[5-(phenylmethyl)-3-furanyl]methyl ester,
(1*R*-*cis*)-
against

Musca domestica 4559

Phaedon cochleariae 4559

[5-(phenylmethyl)-3-furanyl]methyl ester,
(1*R*-*trans*)-
against

Musca domestica 4559

Phaedon cochleariae 4559

Cyclopropanecarboxylic acid, 3-(2,2-difluoroethenyl)-2,2-dimethyl-
cyano(3-phenoxyphenyl)methyl ester, (1*R*-*cis*)-
against

Phaedon cochleariae 4559

Musca domestica 4559

cyano(3-phenoxyphenyl)methyl ester, (1*R*-*trans*)-
against

Phaedon cochleariae 4559

Musca domestica 4559

(3-phenoxyphenyl)methyl ester, (1*R*-*cis*)-
against

Musca domestica 4559

Phaedon cochleariae 4559

(3-phenoxyphenyl)methyl ester, (1*R*-*trans*)-
against

Musca domestica 4559

Phaedon cochleariae 4559

[5-(phenylmethyl)-3-furanyl]methyl ester,
(1*R*-*cis*)-
against

Musca domestica 4559

Phaedon cochleariae 4559

[5-(phenylmethyl)-3-furanyl]methyl ester,
(1*R*-*trans*)-
against

Phaedon cochleariae 4559

Musca domestica 4559

Cyclopropanecarboxylic acid, 2,2-dimethyl-
3-(2-methyl-1-propenyl)- (*see*
Chrysanthemic acid)

- Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-** *contd.*
 (1,3,4,5,6,7-hexahydro-1,3-dioxo-2H
 isoindol-2-yl)methyl ester (see
 Tetramethrin)
 2-methyl-4-oxo-3-(2-propenyl)-2-
 cyclopenten-1-yl ester (see Allethrin)
 [5-(phenylmethyl)-3-furanyl]methyl ester
 (see Resmethrin)
 [5-(phenylmethyl)-3-furanyl]methyl ester,
 (1*R*-*cis*)- (see Cismethrin)
 [5-(phenylmethyl)-3-furanyl]methyl ester,
 (1*R*-*trans*)- (see Bioresmethrin)
- Cyclopropanecarboxylic acid, 3-(3,3-
 dimethyloxiranyl)-2,2-dimethyl-**
 (5-hydroxy-3-oxo-4-phenyl-1-cyclopenten-
 1-yl)methyl ester, resmethrin
 photoproduct 534
 [5-(phenylmethyl)-3-furanyl]methyl ester,
 resmethrin photoproduct 534
- Cyclopropanecarboxylic acid, 2,2-dimethyl-
 3-[(tetrahydro-2-oxo-3-
 thienylidene)methyl]-, [5-(phenylmethyl)-
 3-furanyl]methyl ester, [1*R*-[1 α ,3 α (*B*)]]-**
 against, *Choristoneura occidentalis*
 6821
- Cyclopropanecarboxylic acid, 2-(8-ethoxy-
 4,8-dimethyl-3-nonenyl)-2-methyl-,
 methyl ester, in insects, inhibiting
 metamorphosis 6938**
- Cyclopropanecarboxylic acid, 3-(2-formyl-1-
 propenyl)-2,2-dimethyl-, in rat,
 resmethrin metabolite 1695**
- Cyclopropanecarboxylic acid, 3-(3-hydroxy-
 2-methyl-1-propenyl)-2,2-dimethyl-, in
 rat, resmethrin metabolite 1695**
- Cyclopropanecarboxylic acid, 2,2,3,3-
 tetramethyl-, [5-(phenylmethyl)-3-
 furanyl]methyl ester, against, *Musca
 domestica* 4554**
- Cyclorrhapha**, instars in, definition of 7038
- Cycocel** (see Chlormequat, chloride)
- Cydia**
 in stored illipe nuts, in Sarawak 6228
 on *Pinus elliottii*
 distribution pattern of 5679
 in Florida 5679
- Cydia anaranjada**
 biology of 911
 control of, insecticides for 911
 in USA 911
 on *Pinus elliottii*, in USA 911
 parasitised by
 Braconidae, in USA 911
Phanerotoma fasciata, in USA 911
 Trichogrammatidae, in USA 911
- Cydia caryana**
 control of, traps for 7302
 in USA 7302
 light responses in 5908
 on pecan, in Georgia (USA) 7302
- Cydia deciduana**, taxonomy of, synonym of
C. millenniana 4403
- Cydia delineana**
 control of 7397
 in USSR 7397
 on hemp, in USSR 7397
- Cydia funebrana**
 attractants for 1139
 biology of 6119, 6735
 coldhardiness in 4623, 5323
 role of glycerin and glycogen in 4622
 control of
 biological 7539
 insecticide-pathogen mixtures for 5550
 insecticides for 527, 3318, 6119
 timing of measures for 6718
 descriptions of 6735
 development in, effects of temperature on
 5357
 fecundity in, effects of photoperiod on
 4127
 in Bulgaria 5357, 5550, 7539
 in France 1139, 3498, 7549
 in Italy 6735
 in Poland 527, 2843, 3318, 6710, 6718,
 6918, 6928
 in Switzerland 1648, 2021, 6119
 in UK 7591
 in West Germany 1634, 3208
 on plum
 assessing infestations of 6119
 damage caused by 6928
 in Bulgaria 5550, 7539
 in France 7549
 in Italy 6735
 in Poland 527, 3318, 6928
 in Switzerland 6119
 overwintering in 5323
 oviposition in, effects of temperature on
 5357
 parasitised by, *Trichogramma* spp., and
 biological control using 6918
 population dynamics of, photoperiodic
 regulation of 5353
 traps for 1634, 1648, 2021, 3208, 3260,
 3498, 7591
- Cydia ingens**
 in USA 5686
 on *Pinus taeda*
 damage caused by 5686
 in Georgia (USA) 5686
 seasonal abundance of 5686
 traps for 5686
- Cydia medicaginis**
 biology of 4294
 control of, insecticides for 4294
 in France 4294
 on lucerne, in France 4294
- Cydia millenniana**
 on *Larix* 4403
 taxonomy of
Cydia deciduana as synonym of 4403

Cydia millenniana* contd.**taxonomy of *contd.*misidentified as *C. zebeana* 4403Cydia molesta***

activity rhythms in 5283

attractants for 849, 1139, 1646, 6924

control of 3219

insecticides for 1292, 2022, 2887,
5554, 7541

mating disruption for 2890, 6924

traps for 2884

emergence in 5139

fecundity in, effects of photoperiod on
4127

flight activity in 101

in Australia 101, 542, 2890

in Bulgaria 2022, 2887

in Chile 2889

in France 1139, 3498, 7548

in Italy 1292, 5139

in USA 849, 1138, 2884, 5554, 6924,
7541

in USSR 6113

on apple

in New York 2884

in North Carolina 7541

on nectarine

brown rot associated with 5554

in California 5554

on peach

brown rot associated with 5554

imported into Austria 6588

in Bulgaria 2022, 2887

in California 5554

in Chile 2889

in France 7548

in Georgia (USA) 849

in Italy 1292

in New South Wales 2890

in Victoria 2890

on quince, in Bulgaria 2022

population dynamics of, photoperiodic

regulation of 5353

sex pheromone of 101, 3396

effects of dodecyl acetate on responses
to 542

responses to components of 1138

rhythm of response to 5283

traps for 2022, 2889, 3498, 5139

Cydia nigricana

biology of 2052, 4337–4338

control of

border treatments for 5606

insecticides for 362, 1050, 1676, 5605,
6153

timing of measures for 4337–4338

in East Germany 362, 1050, 5605–5606

in Poland 1450, 6769, 6928

in Sweden 4337–4338

in UK 2052, 6153

on pea

damage caused by 6928

***Cydia nigricana* contd.**on pea *contd.*

distribution pattern of 5606

effects of winter ploughing on 5605

in East Germany 362, 1050,
5605–5606

in England 2052, 6153

in Poland 1450, 6769, 6928

in Sweden 4337–4338

sex pheromone of 2052

traps for 2052

Cydia pactolana

control of, integrated 5663

in West Germany 5663

on *Picea*, in West Germany 5663

parasitised by

Ascogaster quadridentata, in West
Germany 5663*Coccygomimus turionellae*, in West
Germany 5663*Glypta tenuitarsis*, in West Germany
5663parasitism of, role in determining control
measures of 5663***Cydia pomonella***

ascorbic acid in, effects of 136

attractants for 1139

Bacillus sphaericus in, pathogenicity of
2244*B. thuringiensis* ininfectivity of, effects of ascorbic acid on
136role of spores and crystals in
pathogenicity of 7497*Beauveria* spp. in, in New Zealand 1423*B. bassiana* in 5529

in Austria 3252

infectivity of, effects of ascorbic acid on
136biology of 1416, 2015–2016, 5565, 6723,
6727, 7315

racial differences in 3610

cell cultures from, media for 3817

control of 3219

Bacillus thuringiensis for 2864, 3622,
3624, 6107, 6731*B. thuringiensis*-insecticide mixtures for
6020*Beauveria bassiana* for 3625

biological 5113

economic threshold for 2270, 3623,
3874, 6105

frequency of treatments for 6104

fumigants for 3107

insecticide-pathogen mixtures for
2864, 5550insecticides for 324, 527, 538, 1417,
2015, 2864, 2880, 3318, 3622–3625,
3628, 3873, 5444, 5556, 5567, 5751,
5946, 6104–6105, 6107, 6110, 6375,
6722, 6726–6727, 6731, 7315, 7541

Cydia pomonella contd.control of *contd.*integrated 1421, 2881, 3873, 7309,
7537, 7539, 7544, 7551, 7559 γ -irradiation for 5953

nets for 2089

sterile-insect release for 1197, 1788,
2872, 2877, 2880, 4902, 5761, 6114,
7303, 7554

timing of measures for 6718, 7559

traps for 2884, 3628, 4904

cuticle in, quantitative fractionation of
1750

diapause in 648, 3251, 4308

embryonic development in, effects of
growth regulators on 7656

fecundity in 2530, 3251

effects of *Bacillus thuringiensis* on
4460

effects of growth regulators on 7656

effects of photoperiod on 4127

fertility in 3251

flight activity in 3208, 3627, 3873, 4907,
6722

fungi in

in Crimea 7483

in Ukraine 7483

genetic variation in, techniques for
monitoring 5128

granulosis virus in

and biological control using, in West
Germany 6112

transmission of 6331

transmitted by mites 5733

habitats of 3250

Hirsutella spp. in, in Austria 3252

humidity responses in 4123

hyperparasitised by, *Perilampus tristis*, in
Austria 3252

in Australia 5567, 6722, 6731

in Austria 2089, 3251–3252

in Bulgaria 538, 1417, 2864, 3622,
3624–3625, 3873, 5550, 7196, 7539in Canada 1197, 2872, 2880, 4904,
6114–6115, 7309

in Chile 7544

in East Germany 1419

in Finland 2273, 6592

in France 1139, 3498, 3623, 3874, 6732,
7546, 7551

in Hungary 3250, 4211, 4308

in Israel 4907

in Italy 6375

in New Zealand 1421–1423, 2015–2016,
2270in Poland 527, 2843, 3318, 6710, 6718,
6918, 6928

in South Africa 5946

in Spain 7537

in Switzerland 1648, 1788, 2881,
3627–3628, 5558, 7559

in UK 796, 7591

Cydia pomonella contd.in USA 1221, 2530, 2877, 2884, 3107,
3224, 3610, 4308, 5843, 7303, 7317,
7541in USSR 324, 1416, 2182, 5444, 5556,
5565, 5751, 5761, 6020, 6104–6105,
6107–6108, 6621, 6723, 6726–6727,
7116, 7315, 7483

in West Germany 1634, 3208, 6111–6112

in stored cherries, in USA 3107

insecticide resistance in, testing for 1204
insemination in, effects of γ -irradiation on
613

larval development in 648

literature on 4905

marking of

equipment for 2872

radiocobalt for 1422–1423

mating competitiveness in, effects of γ -
irradiation on 1197, 1788

mating in 1805, 2364

effects of γ -irradiation on 3431, 4081

mortality in 2530, 6732, 7317

on apple

assessing infestations of 3874

damage caused by 5567, 6928

development of 4308, 5761

effects of clean cultivation on 6111

forecasting infestations of 2881, 5558

in Austria 2089, 3251

in British Columbia 1197, 2872, 2880,
4904, 6114, 7309in Bulgaria 538, 1417, 3622,
3624–3625, 5550, 7539

in California 3610, 5843

in Crimea 324, 1416, 5444, 6104

in East Germany 1419

in England 796

in Finland 6592

in France 3623, 3874, 6732, 7551

in Hungary 3250

in Israel 4907

in Italy 6375

in Kazakhstan 6020

in Moldavia 6105

in New South Wales 5567, 6722, 6731

in New York 2884

in New Zealand 1421–1423,
2015–2016, 2270

in North Carolina 7541

in Ontario 6115

in Poland 527, 3318, 6928

in Siberia 7315

in South Africa 5946

in Switzerland 2881, 3627–3628, 5558

in Tasmania 6731

in Transbaikalia 6723

in Ukraine 6107, 6621

in USSR 5556, 5565, 5761, 6727

in Uzbekistan 6108

in Victoria 6731

Cydia pomonella contd.

on apple contd.

in Washington 1221, 2530, 2877, 3224, 7303

in West Germany 6111–6112

on apricot, development of 4308

on greengage, development of 4308

on pear 6733

development of 4308

in France 7546

in Hungary 4211

in Oregon 7317

in South Africa 5946

in USSR 5556

in Washington 7303

resistance to 7317

on plum, in California 3610

on walnut

development of 4308

in California 3610

overwintering in 6732

oviposition in 7317

Paecilomyces farinosus in, in Austria 3252

parasites of

effects of *Bacillus thuringiensis* on 6020, 6107

effects of insecticides on 5444, 6107, 7196

in Hungary 4211

parasitised by

Agathis rufipes

in Austria 3252

in Kazakhstan 6020

in Ukraine 6107

Ascogaster quadridentata

in Austria 3252

in Kazakhstan 6020

in Ukraine 6107

Chelonus starki, in Bulgaria 7196*Coccysomimus turionellae*, in Ukraine 6107*Dibrachys affinis*

and biological control using 7196

in Bulgaria 7196

D. cavus

in Bulgaria 7196

in Ukraine 6107

Elodia tragica, in Austria 3252*Ephialtes caudatus*, in Austria 3252*Liotryphon punctulatus*, in Uzbekistan 6108*Mastrus* spp., in Uzbekistan 6108*Neoplectops pomonellae*, in Ukraine 6107*Pristomerus vulnerator*

in Austria 3252

in Ukraine 6107

Pyemotes spp., in Uzbekistan 6108*Trichogramma* spp.and biological control using 6918
in Bulgaria 3622*Cydia pomonella* contd.

parasitised by contd.

Trichogramma spp. contd.

and biological control using contd.

in Ukraine 6621

T. embryophagum, and biological

control using, in Bulgaria 2864, 3624

T. evanescens

and biological control using, in

Bulgaria 2864

in Crimea 5444

T. minutum, in Oregon 7317*T. pallidum*

and biological control using, in

Bulgaria 2864, 3624

in Crimea 5444

T. platneri, in California 5843*Trichomma enecator*

in Austria 3252

in Ukraine 6107

Pleistophora carpocapsae in, in Moldavia 2182

population dynamics of 3224

photoperiodic regulation of 5353

population models of 7542

predators of

in England 796

in France 6732

in Ontario 6115

preyed on by

Ixeuticus martius, in New Zealand 2016*Pheidole* spp. 4793*Tyrophagus putrescentiae* 5733*Zosterops lateralis*, in New Zealand 1422–1423

pupation sites of 1423

rearing of, diets for 3253–3254

reproductive organs in, removal of 4160

reproductive system in 2364

sex pheromone of 1197

effects of rearing and γ -irradiation on responses to 2877

inhibitors of response to 1648, 3925

laboratory synthesis of 5287–5288

regional differences in response to 7116

secretion of 5281

sexual behaviour in

effects of climate on 1839

effects of food-plant on 1839

sterilisation of

chemosterilants for 5761

 γ -irradiation for 1197, 1788, 2877, 2880, 3434, 5761, 7303*Tilachlidium* spp. in, in Austria 3252

traps for 1221, 1634, 2089, 2877, 3208, 3260, 3498, 3627, 3873–3874, 4907, 5558, 5761, 5946, 6375, 6576, 6723, 6925, 7591

variability in 3250

***Cydia pomonella* contd.**

Verticillium lecanii in, in Austria 3252

Cydia prunivora

attractants for 849, 1646, 6924

biology of 4309

control of, traps for 2884

in Canada 4309

in USA 849, 2884, 4309, 6924

on apple

in New York 2884

in Quebec 4309

Cydia pseudonectis

in India 7203

on *Crotalaria juncea*, in Madhya Pradesh

7203

parasitised by

Apanteles taragamae, in Madhya

Pradesh 7203

Bracon spp., in Madhya Pradesh 7203

Elasmus spp., in Madhya Pradesh

7203

Cydia pyrivora

biology of 6118

control of

insecticides for 6118

trap bands for 6118

in USSR 6118

on pear, in USSR 6118

Pleistophora carpocapsae in, infectivity of 2182

Cydia sinana

in Yugoslavia 5649

on hemp

damage caused by 5649

in Yugoslavia 5649

on hop, in Yugoslavia 5649

Cydia splendana

biology of 7299

in Switzerland 7299

on *Castanea sativa*, in Switzerland 7299

Cydia toreuta

in USA 5686

on *Pinus taeda*

damage caused by 5686

in Georgia (USA) 5686

seasonal abundance of 5686

traps for 5686

Cydia zebeana*, taxonomy of, *Cydia

millenniana misidentified as 4403

Cydonia oblonga* (see Quince)**Cydonia vulgaris* (see Quince)*****Cygon* (see Dimethoate)*****Cyhexatin* (tricyclohexylhydroxystannane)**

against

Epitrimerus pyri, on pear 6101

Panonychus citri 5576

on *Citrus* 2028

P. ulmi, on apple 4185, 6101

Phytoptus avellanae, on hazel 1412

Tetranychus neocaledonicus

on eggplant 4920

on okra 4920

***Cyhexatin* contd.**

against contd.

Tetranychus contd.

T. pacificus 5576

T. urticae 1644, 6602

on hop 1337

on pear 2885

on *Vicia faba* 1004

antifeedant for

Lymantria dispar, on *Quercus* 4585

Spodoptera littoralis, on cotton 1485, 4975

in *Amblyseius longispinosus*, toxicity of 6417

in apples, determination of 122

in *Coccinella septempunctata*, toxicity of 3955

in grapes, determination of 122

in *Metaseiulus occidentalis*, not toxic 6101

in Phytoseiidae, toxicity of 5576

in *Phytoseiulus persimilis*, not toxic 7673

in *Stethorus loi*, toxicity of 6417

in strawberries, determination of 122

in *Typhlodromus columbiensis*, not toxic 6101

in *Zetzellia mali*, toxicity of 6101

with pirimicarb

against

Brevicoryne brassicae, on cabbage 4921

mites, on cabbage 4921

in *Coccinella septempunctata*, toxicity of 3955

Cylas formicarius

biology of 6788

control of 3976

insecticides for 2969

descriptions of 6788

in India 2969, 6788

in Papua New Guinea 5630

in Solomon Islands 3976

on carrot, development of 6788

on cassava, development of 6788

on *Ipomoea acaria*

development of 6788

in Karnataka 6788

on *Ipomoea barleiriodes*

development of 6788

in Karnataka 6788

on sweet potato

development of 6788

in Karnataka 2969, 6788

in Papua New Guinea 5630

in Solomon Islands 3976

resistance to 723

varietal preferences of 4353

cylindrica*, *Leptogaster***cylindricollis*, *Sitona******Cylindroiulus punctatus***

biology of 4749

control of 4749

Cylindroiulus punctatus contd.

in UK 4749

Cylindromyia brassicaria

in USSR 1872

parasitising, *Dolycoris baccarum*, in USSR 1872*Cylindromyrmecini*, taxonomy of 4608*Cylister oblongus*

in USSR 6627

preying on, bark beetles, in USSR 6627

Cymbopogon, extracts of, against, *Aphis**gossypii*, on eggplant 2976*Cymolomia hartigiana*

in Japan 1094

parasitised by, *Coccygomimus aquilonius*, in Japan 1094*Cynanchum vincetoxicum*, *Lygaeus equestris*

on, feeding by 634

Cynara cardunculus, *Cassida algirica* on, in

Italy 1437

Cynara scolymus (see Artichoke, globe)*cynarae*, *Dysaphis**cynarae*, *Phaeogenes**Cynareae**Metzneria lappella* on, and biological control using, in North America 2327

Trypetidae on 5333

cynipicola, *Eurytoma**Cynipidae*

karyotype variation in 4077

nutritive cells of 7112

on *Quercus*

in Guatemala 1076

in Mexico 1076

parasitised by

Eurytomidae

in Guatemala 1076

in Mexico 1076

Cynips quercusfolii

in Netherlands 424

on *Quercus*

galls of 424

in Netherlands 424

parasitised by, *Torymus nigricornis*, in Netherlands 424*Cynodon**Aeneolamia contigua* on

damage caused by 1363

in Mexico 1363

Oria musculosa on 270*Cynodon dactylon**Acrida bicolor* on, colour development in 2689*Amplicephalus ica* on, in Peru 14*Bergallia rosa* on, in Peru 14*Bregmatothrips venustus* on, in Peru 1246

chlorpyrifos-methyl in, residues of 1981

Herpetogramma phaeopteralis on, in Florida 2822*Cynodon dactylon* contd.*Matsumuratettix hiroglyphicus* on, development of 256*Spathosternum prasiniferum* on, development of 4751

sugar-cane white leaf disease, causal agent in, in Taiwan 256

*Cynodon plectostachyus**Aeneolamia contigua* on

damage caused by 1363

in Mexico 1363

Cynthia cardui

in USSR 1872

on soy bean

effects on photosynthesis of 6163

in USSR 1872

parasitised by, *Phryxe vulgaris*, in USSR 1872*cynthia*, *Samia*

(Philosamia)

Cyolane (see Phosfolan)*cyperi*, *Athesapeuta**cyperi*, *Schizaphis**Cyperus esculentus*, *Spissistilus festinus* on 6162*Cyperus rotundus**Athesapeuta cyperi* on

and biological control using 1322

in India 1322

Bactra minima on

and biological control using 1322

in India 1322

B. venosana on

and biological control using 1322

in India 1322

Matsumuratettix hiroglyphicus on, development of 256*Cyphagogus bipunctatus*competing with, *Austroplatypus**incompertus*, in Australia 6826

in Australia 6826

on *Eucalyptus*, in Australia 6826*Cyphomandra betacea**Floracarus cyphomandrae* on 2325

damage caused by 4323

in Colombia 4323

cyphomandrae, *Floracarus**cyphonoides*, *Attagenus**Cyprinus*, mirex in, residues of 2300*Cyprinus carpio*

dimethoate in, toxicity of 1696

endosulfan in, toxicity of 1696

endrin in, toxicity of 1696

malathion in, toxicity of 1696

*Cyprus**Aceria sheldoni* in, on *Citrus* 6745*Asphondylia* spp. in 5538*A. gennadii* in 5537*A. verbasci* in 5537*Cenopalmus musai* in 7011*C. spinosus* in 7011*Ceratitis capitata* in 3214, 6740

Cyprus *contd.*

- Ephestia* spp. in, in stored carobs 501
Lasioderma serricorne in, in stored carobs 501
 pest control in 3971
Phthorimaea operculella in 5912
Phyllocoptruta oleivora in, on *Citrus* 6745
Phyllonorycter obtusifoliella in, on *Acer* 5232
P. troodi in, on *Quercus* 5232
Spodoptera littoralis in 1809, 3256
 sterile-insect release in 5126
Syringopais temperatella in, on barley 2786
Cyrtanthracris tatarica, food preferences of 5417
Cyrtopeltis tenuis
 in Egypt 3690
 in India 888
 on sesame, in Tamil Nadu 888
 on tomato, in Egypt 3690
 seasonal abundance of 3690
Cyrtotypx dacidia
 in Greece 2900
 parasitising, *Dacus oleae*, in Greece 2900
 taxonomy of, synonym of *C. latipes* 3370
Cyrtotypx latipes
 taxonomy of
 Cyrtotypx dacidia as synonym of 3370
 C. lesbiacus as synonym of 3370
 C. virescens as synonym of 3370
Cyrtotypx lesbiacus, taxonomy of, synonym of *C. latipes* 3370
Cyrtotypx virescens, taxonomy of, synonym of *C. latipes* 3370
Cyrtorhinus chinensis (see *Tytthus*)
Cyrtorhinus lividipennis
 in India 4863, 7263-7264
 in Solomon Islands 7261
 in Taiwan 4276, 4862
 in rice-fields, effects of insecticides on 7261
 preying on
 Nephotettix cincticeps, in Taiwan 4862
 N. nigropictus, in Himachal Pradesh 4863
 N. virescens 5514
 in Himachal Pradesh 4863
 in Taiwan 4276
Nilaparvata lugens 5514
 in Andhra Pradesh 7263
 in Himachal Pradesh 4863
 in Madhya Pradesh 7264
 in Solomon Islands 7261
Sogatella furcifera, in Madhya Pradesh 7264
 seasonal abundance of 7263

L-Cysteine

- in *Diatraea grandiosella* diet, not substituting for ascorbic acid 4652
 in *Laodelphax striatella* diet, requirement for 5876
 hydrochloride, diet component for, *Chilo suppressalis* 134

L-Cystine

- diet component for, *Laodelphax striatella* 5876
 in cotton, effects of insecticides on 894
 in *Cucumis callosus*, not found 6152
 in *Cucumis melo* 6152
 in *Plutella xylostella*, effects of bacterial infection on 3125

- Cystiphora schmidtii*, on *Chondrilla juncea*, and biological control using, in Australia 2754

Cystiphora sonchi

- in Austria 2752
 in Switzerland 2752
 on *Sonchus*
 and biological control using 2752
 in Austria 2752
 in Switzerland 2752

cytherea, Imbrasia, (Nudaurelia)**Cythion** (see Malathion)

- Cytochalsin B**, in *Plodia interpunctella*, inhibiting chitin synthesis 6294

- Cytochrome b**, in *Leptinotarsa decemlineata* flight muscles, effects of diapause on 1760

- Cytochrome c**, in *Leptinotarsa decemlineata* flight muscles, effects of diapause on 1760

- Cytochrome aa₃**, (see Oxidase, cytochrome)

Cytochrome P-450

- in rat, not affected by fenitrothion 3911
 in rat liver
 dependence of γ -BHC dehydrogenation on 5809
 toxaphene reduction by 6949
 in Saturniid larvae 5888

- Cytosine** (see 2(1*H*)-Pyrimidinone, 4-amino-)

- Cytospora*, in, pear, in Switzerland 6117

Cyrolane (see Mephosfolan)

- Cyzenis albicans*, parasitising, *Operophtera* spp. 6628

Czechoslovakia

- Acrostilpna latipennis* in, on *Athyrium felix-femina* 5405
Adalia bipunctata in 5249
Aelia acuminata in 624, 2480
 aphids in, natural enemies of 7105
Aphis fabae in, on sugar-beet 4921, 7613
Archips crataeganus in, on *Quercus* 7436
Brevicoryne brassicae in, on cabbage 4921
Callirhytis glandium in, on *Quercus* 1530
 Cecidomyiidae in 4140, 7139

Czechoslovakia contd.

- Ceresa bubalus* in
on *Salix* 4152
on *Solidago* 4152
Chaetorellia spp. in 7000
Choristoneura murinana in 3067
Coleophora laricella in, on *Larix* 6845
Dasineura laricis in, on *Larix* 1774
Delia echinata in 5405
Diprionidae in, on *Picea* 1528
Entomobrya marginata in, on fungi on
maize 6046
entomological research in 4061
Epinotia tedella in 3067
Ernobius nigrinus in, natural enemies of
4598
Euproctis chrysorrhoea in 3067
forest entomology in 2126
Galiobium langei in
natural enemies of 777
on *Galium* 777
Homoporus gusztaui in 1726
Ips typographus in, on *Picea* 2152
Lepidoptera in 2617
Leptinotarsa decemlineata in, natural
enemies of 7103
Lymantria dispar in, on *Quercus* 7436
L. monacha in 1806
on *Picea* 436–437
Mindarus abietinus in
natural enemies of 2330
on *Abies* 2330
Myzus humuli in, on hop 2444, 7613
M. persicae in
natural enemies of 1291
on cabbage 4921
on carrot 4921
on potato 7613
on sugar-beet 7613
Nematinae in, on *Picea* 1528
Noctua comes in 4099
N. fimbriata in 4099
N. pronuba in 4099
Operophtera brumata in, on *Quercus*
6904, 7436
Otiorynchus salicis in 7096
Pachyscelis zhenzhuristi in, in imported
raisins 5714
Parthenolecanium corni in, natural
enemies of 1195
Pegohylemyia anthracina in, on *Picea*
5405
P. gnava in, on *Lactuca* 5405
P. seneciella in, on *Senecio* 5405
Pityophthorus lichtensteini in, natural
enemies of 4598
Pristiphora abietina in, on *Picea* 1525
Raphidioptera in 2468
Rhyacionia buoliana in 1812
Semiaphys dauci in, on carrot 4921
Tetranychus urticae in 5189

Czechoslovakia contd.

- Thecodiplosis brachyntera* in, on *Pinus*
429, 6829
Tortrix viridana in, on *Quercus* 6904
trees in, pests of 435
Trioza apicalis in, on carrot 7371
Zeiraphera diniana in, on *Picea* 1525
czizeki, Tipula
2,4-D ((2,4-dichlorophenoxy)acetic acid)
against, *Scolytus multistriatus*, on *Ulmus*
4392
in insects, effects on susceptibility to
insecticides of 5776
in soil, effects on arthropods of 2603
amine salts, in maize, effects on aphid
infestation of 280
ethyl ester, mutagenicity of 7679
D-Vac, calibration of 5935
dacicida, Cyrtoptyx (see *C. latipes*)
Dacini, taxonomy of 1102–1103
Dacnusiini, body size in 182
Dactinomycin
in *Locusta migratoria*, effects on
pigmentation of 167
in *Tenebrio molitor*, effects of 2404
Dactylaria (see *Dactylium*)
Dactylis glomerata
cocksfoot mottle virus in, in UK 4872
Coleoptera on, in Tanzania 4287
Lepidoptera on, in Tanzania 4287
Melolontha melolontha on, development
of 1759
Stenocranus minutes on, in England
4282
Dactylium, in, insects, in Israel 7496
dactylopii, Leptomastix
Dactylopius, keys to 555
Dactylopius argentinus, taxonomy of,
synonym of *D. ceylonicus* 555
Dactylopius austrinus
sp. nov., description of 555
in Argentina 555
in Australia 555
in South Africa 555
on *Opuntia aurantiaca*
in Argentina 555
in New South Wales 555
in Queensland 555
in South Africa 555
Dactylopius ceylonicus
in Argentina 555
in Australia 555
in Bolivia 555
in Paraguay 555
in South Africa 555
in Sri Lanka 555
on *Opuntia*, in Sri Lanka 555
taxonomy of
Dactylopius argentinus as synonym of
555
D. indicus as synonym of 555
Dactylopius coccus, taxonomy of 555

Dactylopius confertus

- sp. nov., description of 555
- in Argentina 555

Dactylopius confusus

- in Australia 555
- in USA 555
- on cacti, in Arizona 555
- on *Opuntia monacantha*, and biological control using, in South Africa 555
- on *Opuntia stricta*, in Queensland 555
- taxonomy of
 - Dactylopius greeni* as synonym of 555
 - D. newsteadi* as synonym of 555
 - waxes produced by 5145

Dactylopius greeni, taxonomy of, synonym of *D. confusus* 555***Dactylopius indicus***, taxonomy of, synonym of *D. ceylonicus* 555***Dactylopius newsteadi***, taxonomy of, synonym of *D. confusus* and *D. tomentosus* 555***Dactylopius opuntiae***

- in Australia 555
- in India 555
- in Kenya 555
- in South Africa 555
- in Sri Lanka 555
- in USA 555
- on *Opuntia*
 - in Kenya 555
 - in Sri Lanka 555
 - in Tamil Nadu 555
 - in Texas 555
- on *Opuntia inermis*, in New South Wales 555
- on *Opuntia megacantha*, in South Africa 555
- on *Opuntia streptacantha*, in Queensland 555
- on *Opuntia tardiospina*, in South Africa 555
- on *Opuntia tomentosa*, in New South Wales 555

Dactylopius salmianus

- sp. nov., description of 555
- in Argentina 555

Dactylopius tomentosus

- descriptions of 555
- in Australia 555
- in Mexico 555
- in USA 555
- on cacti
 - in Arizona 555
 - in Mexico 555
 - in Texas 555
- on *Opuntia*, in Nevada 555
- on *Opuntia fulgida*, in Arizona 555
- on *Opuntia imbricata*
 - and biological control using, in South Africa 555
 - in New South Wales 555

***Dactylopius tomentosus* contd.**

- on *Opuntia tunicata*, and biological control using, in South Africa 555
- taxonomy of, *Dactylopius newsteadi* as synonym of 555

Dactylopius zimmermanni

- sp. nov., description of 555
- in Argentina 555

Dactylophaera vitifolii (see *Vitea vitifoliae*)***Dactynotus***, sowthistle yellow net virus in, not transmitted 458***Dactynotus ambrosiae***

- bean vein-banding mosaic virus in, transmission of 2187
- in USA 7359
- on weeds, in Indiana 7359
- soy-bean mosaic virus in, transmission of 7359

Dactynotus pseudambrosiae (see *Uroleucon*)***Dactynotus richardsi*** (see *Uroleucon*)***Dacus***

- descriptions of 1102–1103
- illustrations of 1102–1103
- in Bangladesh 4180
- parasitised by
 - Biosteres longicaudatus*, in Pakistan 5998
 - Dirhinus giffardii*, in Pakistan 5998
 - Spalangia* spp., in Pakistan 5998
- traps for 3344

Dacus cacuminatus

- attractants for 3926
- in Australia 3926

Dacus ciliatus

- in Pakistan 2922
- on *Cucumis melo*, in Pakistan 2922
- on *Cucumis sativus*, in Pakistan 2922
- on *Luffa aegyptiaca*, in Pakistan 2922
- on *Momordica charantia*, in Pakistan 2922
- on watermelon, in Pakistan 2922

Dacus correctus

- in India 7326
- on *Achras zapota*, in Gujarat 7326
- on mango, in Gujarat 7326

Dacus cucumis

- locomotor activity in, effects of γ -irradiation on 1170
- mating competitiveness in, effects of γ -irradiation on 1154, 3428
- mating in, effects of γ -irradiation on 1170
- sterilisation of, γ -irradiation for 1154, 3428

Dacus cucurbitae

- antibiotics in, effects of 4088
- attractants for 4174
- control of
 - attractants for 2411
 - male annihilation for 4507, 5130
 - Neoaplectana carpocapsae* for 4783

***Dacus cucurbitae* contd.**control of *contd.*

sterile-insect release for 5127

traps for 2568

emergence in, effects of γ -irradiation on 5893

flight activity in 4699

in Mariana Islands 5127

in Pakistan 2922

in Philippines 4174

in USA, accidental introductions of 2411

in USA (Hawaii) 2568, 4507, 5130

life-span in, effects of γ -irradiation on 5893mating competitiveness in, effects of γ -irradiation on 3432-3433on *Cucumis callosus*, resistance to 6152on *Cucumis melo*

in Pakistan 2922

relation of amino acids and 6152

on *Cucumis sativus*, in Pakistan 2922on *Luffa aegyptiaca*, in Pakistan 2922

on mango, in Philippines 4174

on *Momordica charantia*, in Pakistan 2922

on watermelon, in Pakistan 2922

reproductive organs in, effects of tepa on 3238

sterilisation of, γ -irradiation for 3432-3433, 5893

traps for 2411

Dacus dorsalis

attractants for 4174

control of 7211

attractants for 2411

baits for 219

 γ -irradiation for 5953

male annihilation for 4508

traps for 2568

flight activity in 4699

in Australia 7145

in Japan 1790

in Philippines 4174

in USA 219-221, 2667, 3609, 4508, 7211

accidental introductions of 2411

in USA (Hawaii) 1241, 2568, 4508

inherited sterility in 7100

life-span in, effects of γ -irradiation on 1790mating competitiveness in, effects of γ -irradiation on 1791on *Harpephyllum caffrum*, in California 2667

on lemon, in California 2667

on mango, in Philippines 4174

on orange, in California 221

on peach, in California 2667

on *Prunus lyonii*, in California 2667parasitised by, *Biosteres oophilus*, in Hawaii 1241

reproductive organs in, effects of tepa on 3238

***Dacus dorsalis* contd.**

sperm in, acrosome formation in 3413

sterilisation of, γ -irradiation for 1790-1791

traps for 219-221, 1241, 2411

Dacus frauenfeldi*, in Australia 7145**Dacus neohumeralis***

enzyme polymorphism in 4595

in Australia 4595

Dacus oleae

attraction of, to colours 4120

brain in 3383

control of

antibiotics for 4026

insecticides for 1433, 6135

dimethoate resistance in, selection for 1039

embryonic development in, effects of sodium chloride on 2358

formothion resistance in, selection for 1039

in France 4780

in Greece 2899-2900, 4026, 4120, 5137, 6552

in Spain 342

in Tunisia 1433

in soil, collection of 2899

larval development in, effects of streptomycin on 4101

mating competitiveness in

effects of fast neutrons on 3872

effects of γ -irradiation on 3872

methoprene in, effects on development of 4669

mortality in 2900

olfactory responses in, differences in wild and laboratory populations of 5137

on olive

in France 4780

in Greece 2900, 4026, 6552

in Tunisia 1433

oogenesis in, effects of mating on 2654

oviposition in, stimulants for 3228

parasitised by

Cyrtosyca dacicida, in Greece 2900*Eupelmus urozonus*

in France 4780

in Greece 2900

Eurytoma martellii, in France 4780*Pnigalio mediterraneus*

in France 4780

in Greece 2900

Prolosioptera berlesiana, in Greece 2900*Teleopteris erxias*, in Greece 6552

rearing of

diets for 666, 3229

flight studies and quality control during 4717

techniques for 5136

sterilisation of

fast neutrons for 3872

 γ -irradiation for 3872

Dacus oleae *contd.*

- taxonomy of
 - characters distinguishing *Ceratitis capitata* and 4001
 - characters distinguishing *Rhagoletis cerasi* and 4001
- traps for 1181, 5137
- visual responses in, differences in wild and laboratory populations of 5137

Dacus tryoni

- control of, fumigants for 5066
- enzyme polymorphism in 4595
- in Australia 49, 4595
- nervous system in 5850
- not attracted by extracts of *Zieria smithii* 3926
- oogenesis in, effects of honeybee queen substance on 6518
- ovaries in, effects of temperature on 49
- sterilisation of
 - booby-trapped females for 6520
 - chemosterilants for 6519

Dacus umbrosus

- attractants for 4174
- in Philippines 4174

Dacus zonatus

- biology of 1785
- dispersal of 3227
- in Pakistan 3227
- on guava, in Pakistan 3227
- population dynamics of 3227
- rearing of, techniques for 1785
- sterilisation of, γ -irradiation for 1785

Daffodil (see *Narcissus*)**daganensis**, *Hieroglyphus***Dahlbominus fuliginosus**, parasitising, *Neodiprion sertifer*, and biological control using 204**Dahlbominus fulcipennis** (see *D. fuliginosus*)**Dahlia**, *Telephila* spp. on, development of 1326**Dahlia rosea**, *Liriomyza brassicae* on, in Madhya Pradesh 3519**Dahlia variabilis** (see *D. rosea*)**Dahomey** (see Benin)**Daincha** (see *Sesbania aculeata*)**Dalaca noctuides**

- control of
 - Bacillus thuringiensis* for 4881
 - insecticides for 4881
- in Chile 4881
- in pastures, in Chile 4881

Dalaca rufescens

- biology of 2829
- control of, insecticides for 2829
- descriptions of 2829
- in South Africa 2829
- in grassland, in South Africa 2829

Dalaca rufescens *contd.*

- preyed on by, *Theridion* spp., in South Africa 2829

Dalbergia sissoo, *Indarbela* spp. on, in Haryana 2867**Dalbulus elimatus**, maize stunt disease, causal agent in, pathogenicity of 4450**Dalbulus maidis**

- control of, insecticides for 4261
- in USA 4261
- on maize
 - effects of irrigation on 4261
 - effects of planting date on 4261
 - in California 4261

dalmanni, *Telenomus***dampfi**, *Frankliniella* (see *F. schultzei*)**Danaus chrysippus** (see *Danaus*)**Danaus chrysippus**, amino acids in haemolymph of 1753**Danaus plexippus**

- in USA (Hawaii) 4215, 4993
- on *Calotropis gigantea*, in Hawaii 4993
- parasitised by, *Lespesia archippivora*, in Hawaii 4215, 4993
- reproduction in 4993
- reproductive system in
 - effects of ecdysterone on 7080
 - effects of JH on 7080
- seasonal abundance of 4993

Dandelion (see *Taraxacum officinale*)**danica**, *Ephemera***Danothrips trifasciatus**

- sp. n., description of 4596
- in USA (Hawaii) 4596
- on *Anthurium*, in Hawaii 4596

danzigae, *Apterocyrtus***danzigae**, *Diaspidiotus***Daphnia**, carbamates in, fate of 5785**Daphnia magna**

- carbaryl in
 - bioassay for 7661
 - residues of 4580
- DDT in, bioassay for 7662
- dicofol in, bioassay for 7662
- 3,5-dimethylphenyl methylcarbamate in, residues of 4580
- endosulfan in, toxicity of 2643
- endosulfan metabolites in, toxicity of 2643
- insecticides in, toxicity of 7660
- malathion in, bioassay for 7661-7662
- monocrotophos in, bioassay for 7661

Darnel (see *Lolium temulentum*)**darwinensis**, *Mastotermes***Dasanit** (see Fensulfothion)**Dasheen** (see *Colocasia esculenta*)**Dasheen mosaic virus**
in

- Aphis gossypii*, transmission of 1472
- Colocasia esculenta*, in Solomon Islands 1472
- Myzus persicae*, transmission of 1472

Dasineura aceris

- biology of 3761
- descriptions of 3761
- in Canada 3761
- on *Acer saccharinum*, in Ontario 3761

Dasineura amaramanjarae

- digestive enzymes in 4038
- gut pH in 4038

Dasineura brassicae

- control of 2040
 - insecticides for 1480, 5594, 7387
- in East Germany 2040, 4523, 5594
- in Poland 1480–1481, 6648, 6928
- in Sweden 5596
- in UK 7387, 7601
- in West Germany 1198
- mortality in 1198
- on crucifers
 - damage caused by 6928
 - in Poland 6928
- on rape
 - damage caused by 1481, 5596, 7601
 - in East Germany 2040, 4523, 5594
 - in England 7601
 - in Poland 1480–1481, 6648
 - in Sweden 5596
 - in UK 7387
- on turnip rape
 - damage caused by 5595–5596
 - in Sweden 5596
- oviposition in 2040
- predators of, in West Germany 1198

Dasineura ignorata

- biology of 1983
- in France 1984
- in Poland 1983
- on lucerne
 - in France 1984
 - in Poland 1983

Dasineura laricis

- biology of 7442
- emergence in, effects of JH mimics on 1774
- in Czechoslovakia 1774
- in USSR 7442
- on *Larix*, in Siberia 7442
- on *Larix decidua*, in Czechoslovakia 1774

Dasineura lini

- digestive physiology of 1118
- enzymes in 1118
- in India 1118
- on flax, in India 1118

Dasineura mali

- biology of 5563
- control of, integrated 1421
- in New Zealand 1421
- in Yugoslavia 5563
- on apple
 - damage caused by 5563
 - in New Zealand 1421
 - in Yugoslavia 5563

***Dasineura mali* contd.**

- on *Malus sylvestris*, in Yugoslavia 5563

Dasineura mangiferae* (see *Procystiphora*)**Dasineura pyri***

- control of, insecticides for 3183
- in New Zealand 3183
- on pear, in New Zealand 3183

Dasychira albodentata

- in USSR 1875
- mortality in 1875
- parasitised by
 - Sarcophagidae, in USSR 1875
 - Tachinidae, in USSR 1875
- preyed on by, Muscidae, in USSR 1875

Dasychira mendosa

- in India 5070, 7492
- nuclear polyhedrosis virus in
 - histopathology of 7492
 - in India 7492
 - in Tamil Nadu 5070
- morphology of 5070
- on *Ricinus communis*, in Tamil Nadu 5070

Dasychira plagiata

- biology of 4390
- in USA 4390
- on *Pinus banksiana*
 - in Minnesota 4390
 - in Wisconsin 4390
- on *Pinus resinosa*
 - in Minnesota 4390
 - in Wisconsin 4390

Dasychira pudibunda*, development in, effects of temperature on 2519**Dasyhelea***

- in USA 6434
- taxonomy of 1493, 6434

datanae*, *Winthemia**Date, Chinese (see *Ziziphus jujuba*)****Date palm (*Phoenix dactylifera*)**

- Batrachedra amydraula* on
 - damage caused by 4301
 - in Israel 4301

***Parlatoria blanchardii* on**

- in Israel 1988
- in Sudan 1992
- pest control on, in Israel 1988

Date palm (dried fruit), *Oryzaephilus mercator* in, development of 4100**Date palm (stored fruit)**

- Ephestia calidella* in, development of 5704

E. cautella* in, development of 5704**E. figulilella* in, development of 5704*****Datura*, *Anomis erosa* on, in Karnataka 4371*****Datura enation mosaic virus* in**

- Aphis gossypii*, transmission of 907
- Datura ferox*
 - in Tamil Nadu 907
 - symptoms of 907

Datura enation mosaic virus *contd.*in *contd.**Datura* *contd.**D. metel*, symptoms of 907*Myzus persicae*, transmission of 907**Datura ferox**

datura enation mosaic virus in

in Tamil Nadu 907

symptoms of 907

Datura innoxia, *Taeniothrips atratus* on, in

Bulgaria 1333

Datura metel, datura enation mosaic virus

in, symptoms of 907

Datura stramonium

cucumber mosaic virus in, infectivity of 5069

Empoasca decipiens on, in Bulgaria 3510

henbane mosaic virus in

in Bulgaria 4454

symptoms of 4454

Hibiscus cannabinus mosaic virus in, infectivity of 1575*Phthorimaea operculella* on, feeding by 3683*Tranychus ludenti* on, in China 1851**daucella**, *Depressaria***dauci**, *Semiaphis***Daucus carota** (see Carrot)**Dazomet** (tetrahydro-3,5-dimethyl-2*H*-1,3,5-thiadiazine-2-thione)

against

Agriotes spp. 2281*Melolontha melolontha* 2281**2,4-DB** (4-(2,4-dichlorophenoxy)butanoic acid)

in beneficial insects, toxicity of 5205

DD-136 (see *Neoplectana carpocapsae*)**DDA** (4-chloro- α -(4-chlorophenyl)benzeneacetic acid)

in cattle, DDT metabolite 4571

compound with D-glucuronic acid

in hamster, DDT metabolite 1690

in mouse, DDT metabolite 1690

compound with glycine

in hamster, DDT metabolite 1690

in mouse, DDT metabolite 1690

compound with L-alanine

in hamster, DDT metabolite 1690

in mouse, DDT metabolite 1690

***o,p'*-DDA** (2-chloro- α -(4-chlorophenyl)benzeneacetic acid)in cattle, metabolite of *o,p'*-DDD 4571in fowl, *o,p'*-DDT metabolite 6400methyl ester, in fowl, metabolite of *o,p'*-DDT 6400**DDD** (mixture of isomers in which *p,p'*-DDD predominates)against, *Thrips imaginis*, on apple 4312in *Anas platyrhynchos*, residues of 2301in *Anas rubripes*, residues of 2301

in apple, effects of 4312

in apple orchards, residues of 2315

DDD *contd.*in *Aquila chrysaetus*, residues of 3324

in baby food, determination of

3296-3297

in bees, repellent effects of 4312

in birds, residues of 6979

in *Callorhinus ursinus*, residues of 5383

in cattle, residues of 5200

in *Crassostrea commercialis*, residues of 5198

in duck, residues of 7669

in fish, residues of 2302

in grape juice, DDT product 5784

in *Haliaeetus leucocephalus*, residues of 6410

in hamster, DDT metabolite 1690

in human milk, residues of 4562

in lake sediments, residues of 2302

in man, residues of 5814

in marshland, residues of 4577

in milk, residues of 3315

in mouse, DDT metabolite 1690

in *Oxyura jamaicensis*, residues of 7668

in rice-fields, residues of 4577

in river sediments, residues of 2302

in sediment, residues of 7680

in soil, residues of 5146, 5819

in streams, residues of 3331

in tobacco, residues of 2305

in *Zenaidura macroura*, residues of 2304not produced by γ -irradiation of DDT

1063

***o,p'*-DDD** (1-chloro-2-[2,2-dichloro-1-(4-chlorophenyl)ethyl]benzene)

in cattle, metabolism of 4571

in fowl, *o,p'*-DDT metabolite 6400***p,p'*-DDD** (1,1'-(2,2-dichloroethylidene)bis[4-chlorobenzene])

in apple orchards, residues of 6964

in aquatic animals, residues of 6981

in birds, residues of 6979

in cattle, metabolism of 4571

in *Clupea harengus*, residues of 4560

in fish, residues of 6411

in *Pelecanus occidentalis*, residues of 2303in *Perca flavescens*, residues of 4560

in rivers, residues of 6981

mutagenicity of 7679

DDE (mixture of isomers in which *p,p'*-DDE predominates)

DTE degradation product 537

in *Anas platyrhynchos*

residues of 2301

shell thinning caused by 2313, 5204

in *Anas rubripes*, residues of 2301

in apple, DDT metabolite 538

in apple orchards, residues of 2315

in *Aquila chrysaetus*, residues of 3324

in baby food, determination of

3296-3297

in bird eggs, residues of 1047

DDE contd.

- in birds, residues of 6979
- in *Callorhinus ursinus*, residues of 5383
- in cattle, residues of 5200
- in *Crassostrea commercialis*, residues of 5198
- in duck, residues of 7669
- in *Falco peregrinus*, residues of 5815
- in *Falco sparverius*, effects on shell thickness of 4569
- in fish, residues of 2302
- in *Haliaeetus leucocephalus*, residues of 6410
- in hamster, DDT metabolite 1690
- in human milk, residues of 4562
- in lake sediments, residues of 2302
- in man, residues of 2298, 5814, 6978
- in marshland, residues of 4577
- in milk
 - determination of 2550
 - residues of 3315
- in mouse, DDT metabolite 1690
- in *Oxyura jamaicensis*, residues of 7668
- in *Pelecanus occidentalis*
 - effects on eggs of 2303
 - residues of 2303
- in *Phasianus colchicus*, DDT metabolite 1700
- in *Philohela minor*, residues of 3323
- in rice-fields, residues of 4577
- in sediment, residues of 7680
- in soil
 - DDT metabolite 538
 - residues of 5146, 5819, 6968
- in streams, residues of 3331
- in tomato, residues of 5803
- in water, residues of 6989
- in *Zenaidura macroura*, residues of 2304
- not produced by γ -irradiation of DDT 1063
- o,p'*-DDE** (1-chloro-2-[2,2-dichloro-1-(4-chlorophenyl)ethenyl]benzene)
 - in fowl, *o,p'*-DDT metabolite 6400
- p,p'*-DDE** (1,1'-(dichloroethenylidene)bis[4-chlorobenzene])
 - in apple orchards, residues of 6964
 - in aquatic animals, residues of 6981
 - in birds, residues of 6979
 - in *Clupea harengus*, residues of 4560
 - in cottonseed, residues of 4576
 - in crops, DDT metabolite 5210
 - in estuarine fauna, residues of 6409
 - in fish, residues of 6411
 - in fodder, DDT metabolite 5210
 - in fowl eggs, residues of 3321
 - in house dust, residues of 4530
 - in human milk, residues of 4562
 - in littoral fauna, residues of 5199
 - in marine fauna, residues of 6409
 - in *Perca flavescens*, residues of 4560
 - in rat, metabolism of 3306
 - in rivers, residues of 6981

***p,p'*-DDE contd.**

- in seal, metabolism of 3306
- in *Uria aalge*, metabolism of 3306
- DDMU** (see Benzene, 1,1'-(chloroethenylidene)bis[4-chloro-])
- DDT** (mixture of isomers in which *p,p'*-DDT predominates)
 - against
 - Achaea janata*, on *Ricinus communis* 885
 - Agrotis segetum*, on potato 2965
 - Anomis flava*, on okra 4928
 - Anthonomus grandis* 3281
 - Athalia lugens*, on radish 356
 - Attagenus megatoma* 6248
 - Bemisia tabaci* 392
 - Bruchophagus platypterus*, on clover 690
 - Campylomma livida*, on apple 6109
 - Catochrysops strabo*, on *Cajanus cajan* 4955
 - Chilo agamemnon*, on sugar-cane 819
 - Chrysomela scripta* 7433
 - Contarinia pisi*, on pea 3272
 - C. sorghicola*, on sorghum 4868
 - Crocidolomia binotalis* 6147
 - Cryptoblabes gnidiella*, on sorghum 6068
 - Cydia nigricana*, on pea 1050
 - C. pomonella* 1204
 - on apple 538
 - Cylas formicarius*, on sweet potato 2969
 - Dialeurodes citri*, on *Citrus* 5584
 - Diatraea grandiosella*, on maize 703
 - Dichocrocis punctiferalis*, on *Ricinus communis* 885
 - Diparopsis castanea*, on cotton 389
 - Drosicha mangiferae*, on mango 1436
 - Elasmopalpus lignosellus*, on soy bean 2054
 - Ellimenistes laesicollis*, on coffee 1497
 - Epinotia* spp.
 - on clover 690
 - on lucerne 690
 - Eurygaster integriceps*, on wheat 7663
 - Euschistus heros*, on soy bean 367
 - Euxoa messoria*, on tobacco 6798
 - Exelastis atomosa*, on *Cajanus cajan* 4955
 - Heliothis* spp., on cotton 1049
 - H. armigera*
 - on *Cajanus cajan* 4955
 - on cotton 389, 4501
 - on *Phaseolus* 5962
 - H. peltigera*, on mint 224
 - H. zea*, on maize 703
 - Hemerocampa pseudotsugata*, on *Pseudotsuga menziesii* 1515
 - Heteronychus arator* 6958
 - Hylastes* spp. 6835
 - Hylobius abietis* 414, 3071, 6835

DDT contd.

against contd.

Hylobius contd.*H. pales* 1664*Javesella pellucida*, on wheat 1943*Lambdina fuscicollis* 520*Lasioderma serricornis* 1547*Leiodynerus krameri* 5055*Leptinotarsa decemlineata*, on potato
1050, 5621*Lipaphis erysimi* 7190

on mustard 4545

Listronotus oregonensis, on carrot 877*Longitarsus nigripennis*, on *Piper*
nigrum 1928*Lygus lineolaris*

on apple 4314

on celery 7527

on potato 7527

L. pratensis, on lucerne 840*Lymantria dispar* 2141*L. monacha*, on *Picea abies* 437*Mamestra configurata* 2914*Maruca testulalis*, on *Vigna unguiculata*
4339*Melolontha* spp. 1047*Messor aegyptiacus* 3532*Microcerotermes diversus*, on palm
7287*Neodiprion tsugae* 520*Nezara viridula*, on soy bean 367*Nilaparvata lugens* 1959*Oncopera* spp., in pastures 2832*Ostrinia furnacalis*, on maize 5500*O. nubilalis*, on maize 6680

pests of rape 1050

pests of stored grain 6274, 6317

Piezodorus guildini, on soy bean 367*Plusia argentifera* 6957*Plutella xylostella*, on cauliflower 2044*Pristiphora abietina*, on *Picea abies*
1525*Psila rosae*, on carrot 3946*Psylliodes parilis*, on *Duboisia* 225*Rhyzopertha dominica*, in stored rice
3783*Scolytus multistriatus*, on *Ulmus* 2121*Sitophilus* spp., in stored maize 6234*S. oryzae*, in stored rice 3783*Sitotroga cerealella*, in stored rice
3783*Spodoptera eridania* 699*S. exigua*, on cotton 5641*S. frugiperda* 699

on maize 703, 4838

S. litura, on *Ricinus communis* 885*Synoxylon sexdentatum*, on grapevine
7291

Tetranychidae, on cotton 1049

Tetranychus cinnabarinus 160*T. lombardini* 160*T. ludeni* 160

DDT contd.

against contd.

Tetranychus contd.*T. urticae*, on apple 6109

thrips, on apple 6109

Thrips imaginis, on apple 4312*Tortrix viridana*, on *Quercus* 6832*Tribolium castaneum* 1026, 1037*T. confusum* 7655*Xanthopastis timais*, on Amaryllidaceae
2112*Zeiraphera diniana*on *Larix* 5660, 6911on *Picea abies* 1525

cocarcinogenicity of 5203

environmental pollution with 536

in *Achaea janata*

effects on water loss of 6398

increasing excretion and water loss
3893in *Anas platyrhynchos*, residues of 2301in *Anas rubripes*, residues of 2301in *Apanteles glomeratus*, toxicity of 6965

in apple, residues of 538

in apple orchards

effects on mites of 2011, 2869

residues of 2315, 6964

in *Aquila chrysaetus*, residues of 3324

in arak, residues of 5784

in atmosphere

residues of 6392

transport of 2316

in *Azotobacter chroococcum*, effects on
growth of 4568in baby food, determination of
3296-3297

in bacteria, metabolism of 2645, 6419

in bees, repellent effects of 4312

in bird eggs, residues of 1047

in birds

effects on reproduction of 6393

residues of 6979

in *Callosobruchus chinensis*, residues of 5383in *Callosobruchus chinensis*, effects of diet
on susceptibility to 7657in *Callosobruchus maculatus*, effects of
diet on susceptibility to 7657

in cattle, residues of 5200

in cigarette smoke, fate of 1064

in *Coccinella septempunctata*, toxicity of
7190in cotton fields, effects on predacious
arthropods of 1049

in cottonseed, residues of 4576

in *Crassostrea commercialis*, residues of
5198

in crops, residues of 5210

in *Culex pipiens*

bioassay for 7662

toxicity of 7660

in *Daphnia magna*

bioassay for 7662

DDT *contd.*

- in *Daphnia magna* *contd.*
 - toxicity of 7660
- in domestic animals, residues of 3312, 6970
- in duck, residues of 7669
- in environment, residues of 4572
- in *Euglena gracilis*, effects of 3922
- in fish, residues of 2302, 6387, 7670
- in fodder, residues of 5210
- in fowl eggs, residues of 3321
- in fungi, metabolism of 2645
- in grain crops, residues of 1050
- in grape juice, residues of, effects of fermentation and distillation on 5784
- in groundnut, residues of 1048
- in hamster, metabolism of 1690
- in hay, residues of 7663
- in house dust, residues of 5213
- in human milk, residues of 4562
- in *Labidura riparia*, toxicity of 160
- in lake sediments, residues of 2302
- in larch forests, non-target effects of 5660
- in lucerne, residues of 5819
- in lucerne fields, non-target effects of 840
- in maize, residues of 703
- in mammals, effects on reproduction of 6393
- in man
 - residues of 2298, 3320, 3337, 5814, 6387, 6978
 - from domestic insecticides 5213
 - toxicity of 5203
- in marshland, residues of 4577
- in meadows, residues of 1050
- in *Metaseiulus occidentalis*, toxicity of 6109
- in milk
 - determination of 2550
 - residues of 3315
- in mouse, metabolism of 1690
- in mouse intestine, inhibiting active transport of glucose 1686
- in *Mucor alternans*, metabolism of 6419
- in *Musca domestica*, enzyme induction by 1655
- in *Nomuraea rileyi*, not inhibiting growth 3823
- in *Oxyura jamaicensis*, residues of 7668
- in *Pardosa crassipalpis*, toxicity of 160
- in pastures
 - non-target effects of 1978, 2833-2834, 7678
 - residues of 1050
- in pea, residues of 2295
- in pear, residues of 7662
- in *Phasianus colchicus*
 - effects on egg-laying of 1700
 - toxicity of 1700
- in *Phoca vitulina*, residues of 3322

DDT *contd.*

- in *Picea abies*, persistence of 1526
- in ponds, bioaccumulation of 7641
- in rat, stimulating γ -BHC dehydrogenation 5809
- in *Rhizobium trifolii*, effects on growth of 4568
- in rice-fields, residues of 4577
- in river sediments, residues of 2302
- in rivers, residues of 2645
- in *Salmo gairdneri*, residues of 6411
- in *Salvelinus namaycush*, residues of 6411
- in seafood, residues of 2299
- in sediment, residues of 7680
- in *Selanastrum capricornutum*, effects on photosynthesis of 6413
- in sheep, effect of 2310
- in snow, residues of 2316
- in soil
 - degradation of 2645, 6968
 - residues of 538, 4983, 5819, 6387, 6968
- in sprays, deposit efficiency of 2997
- in streams, residues of 3331
- in *Streptomyces*, metabolism of 2645
- in *Sturnus vulgaris*, residues of 6402-6403
- in tobacco, residues of 2305, 5212
- in tomato, residues of 5803
- in *Tribolium castaneum*, effects of diet on susceptibility to 1026
- in *Vigna unguiculata* fields, non-target effects of 6968
- in watersheds, residues of 5212
- in wheat
 - effects on amino acids of 274
 - residues of 7663
- in *Xenopus laevis*, effects on sense organs of 5791
- in *Zenaidura macroura*, residues of 2304
- γ -irradiation-induced dechlorination of 1063
- resistance to, in
 - Amblyseius fallacis*, in Wisconsin 7311
 - Drosophila melanogaster*, in West Germany 1645
 - Heliothis armigera*, in New South Wales 3701
 - Leptinotarsa decemlineata* 4969
 - in East Germany 5621
 - in Poland 3205, 4968
 - Sitophilus oryzae*, in Philippines 1025
 - Trialetrodes vaporariorum* and cross-resistance 5794
 - in England 3937
 - Tribolium castaneum* in Philippines 1025
 - release of susceptible insects to counter 6255
- side-effects of 5173

DDT *contd.*

- synergists for, organic thiocyanates as 7655
- use of
 - in Texas, restrictions on 2298
 - in Yugoslavia, restrictions on 2121
- with *Bacillus thuringiensis*, against, *Zeiraphera diniana*, on *Larix* 6911
- with *Beauveria bassiana*, against, *Leptinotarsa decemlineata*, on potato 2963
- with BHC
 - against
 - Amaurosoma armillatum*, on *Phleum pratense* 297
 - A. flavipes*, on *Phleum pratense* 297
 - Lipaphis erysimi* 2294
 - Microcerotermes diversus*, on palm 7287
 - pests of cabbage 4932
 - in *Menochilus sexmaculatus*, toxicity of 2294
 - in *Xanthogramma scutellare*, toxicity of 2294
- with γ -BHC
 - against
 - Cydia nigricana*, on pea 362
 - Hyllobius abietis*
 - on *Picea* 2139
 - on *Pinus* 2139
 - Javesella pellucida*, on wheat 1943
 - Meligethes aeneus*, on rape 3311
 - Monochamus galloprovincialis*, on *Pinus* 7423
 - pests of potato 5620
 - Pieris brassicae* 2042
 - formulations of, stabilisers for 2547
 - in stored grain, persistence of 6859
- with γ -BHC, and methoxychlor
 - against, *Leptinotarsa decemlineata*, on potato 372, 3311, 4969
 - resistance to, in, *Leptinotarsa decemlineata*, in Poland 4968
- with γ -BHC, and methyl-parathion, against, *Spodoptera littoralis* 5181
- with calcium arsenate, against, *Heliothis armigera*, on cotton 6181
- with captan, in apple orchards, effects on Phytoseiidae of 7311
- with carbaryl
 - against
 - Diparopsis castanea*, on cotton 7507
 - Heliothis armigera*, on cotton 7507
 - with chlorinated terpenes, against, *Anthonomus grandis* 3281
 - with chloro(2-methoxyethyl)mercury, against, pests of stored rice 6874
 - with dicofol, and malathion
 - in *Culex pipiens*, toxicity of 7660
 - in *Daphnia magna*, toxicity of 7660
 - in pear, residues of 7662

DDT *contd.*

- with dimethoate, against, *Bemisia tabaci*, on cotton 3005
- with DNOC, in *Anthocoris nemorum*, toxicity of 5436
- with endosulfan, and methyl-parathion, against, *Isaniris decorsei*, on cotton 3009
- with endrin
 - against
 - Earias biplaga*, on cotton 3207
 - E. insulana*, on cotton 3207
 - Heliothis armigera*, on cotton 2558
 - pests of cotton 4376
- with fenitrothion
 - against
 - bollworms, on cotton 7391
 - Cicadellidae, on cotton 7391
- with malathion
 - against
 - Diaphorina citri*, on orange 341
 - Thrips tabaci*, on cotton 893
- with methamidophos, against, *Heliothis armigera*, on cotton 2558
- with methyl-parathion
 - against
 - bollworms, on cotton 7391
 - Cicadellidae, on cotton 7391
 - Cnaphalocrocis medinalis*, on rice 827
 - Enneothrips flavens*, on groundnut 368
- with methyl-parathion, and toxaphene
 - against
 - bollworms, on cotton 7391
 - Cicadellidae, on cotton 7391
 - pests of cotton 4376
 - Tetranychus arabicus*, on cotton 891
 - T. cucurbitacearum*, on cotton 891
 - in cottonseed, residues of 4576
- with monocrotophos
 - against
 - Dysdercus* spp., on kenaf 900
 - Earias biplaga*, on cotton 3207
 - E. insulana*, on cotton 3207, 7511
 - Heliothis armigera*, on cotton 7511, 7518
 - Oxycaenus hyalinipennis*, on kenaf 900
 - Pectinophora gossypiella*, on cotton 7511
 - Podagrica weisei*, on kenaf 900
- with nuclear polyhedrosis virus, against, *Spodoptera litura* 6889
- with parathion, against, *Palpita nitidalis*, on cucumber 357
- with parathion, and toxaphene, against, *Bucculatrix thurberiella*, on cotton 2988
- with phosalone, against, *Heliothis armigera*, on cotton 2558

DDT *contd.*

with sulfur
against

Idioscopus clypealis, on mango 3644
Sundapteryx biguttula, on eggplant
1477

with tetrachlorvinphos, against, *Heliothis armigera*, on cotton 2558

with toxaphene
against

Anthonomus grandis 519
Bucculatrix thurberiella, on cotton
2988

Cnaphalocrocis medinalis, on rice
827

Heliothis spp., on *Physalis ixocarpa*
1475

H. armigera, on cotton 3179, 7518

pests of cotton 2092, 4376, 6188
Symmetrischema spp., on *Physalis ixocarpa* 1475

resistance to, in, *Heliothis armigera*, in
New South Wales 3701

with triazophos, against, *Heliothis armigera*, on cotton 2558

***o,p'*-DDT** (1-chloro-2-[2,2,2-trichloro-1-(4-chlorophenyl)ethyl]benzene)

determination of 6560
in apple, residues of 538
in crops, residues of 5210
in fish, residues of 6411
in fodder, residues of 5210
in fowl, metabolism of 6400
in rat, metabolism of 6400
in soil, residues of 538

***p,p'*-DDT** (1,1'-(2,2,2-trichloroethylidene)bis[4-chlorobenzene])
against

Alphitobius diaperinus 2168
Aphis gossypii 4934
Cydia nigricana 1676
Drosophila melanogaster 5192
Henosepilachna vigintioctopunctata
4552

Tribolium castaneum 5046
determination of 6560
in *Aphis gossypii*, effects of food-plant on
susceptibility to 4934
in apple, residues of 538
in apple orchards, residues of 6964
in aquatic animals, residues of 6981
in birds, residues of 6979
in *Clupea harengus*, residues of 4560
in cottonseed, residues of 4576
in crops, residues of 5210
in fish, residues of 6411
in fodder, residues of 5210
in *Folsomia candida*, toxicity of 3304
in house dust, residues of 4530
in human milk, residues of 4562

***p,p'*-DDT** *contd.*

in *Hypogastrura armata*, toxicity of 3304
in man, residues of 2298, 3320
in *Onychiurus folsomi*, toxicity of 3304
in *Pelecanus occidentalis*, residues of
2303

in *Perca flavescens*, residues of 4560
in *Pterostichus melanarius*, toxicity of
1054

in rivers, residues of 5787, 6981

in soil, residues of 538

in *Stenolophus comma*, toxicity of 1054
mutagenicity of metabolites of 7679
synergists for, atrazine as 5192

DDVP (see Dichlorvos)**Deaminase, guanine**

in *Pieris brassicae*
role in nitrogen metabolism of 1743
role in nitrogenous excretion of 4029

decacornis*, *Heterothrips

1-Decanamine, repellent for, honey bees
761

Decane, repellent for, *Monochamus alternatus* 1073

Decanoic acid, in *Lasius fuliginosus* trail
pheromone 2690

Decarboxylase, aromatic-L-amino-acid, in
Corcyra cephalonica epidermis 6473

Decarboxylase, DOPA (see Decarboxylase,
aromatic-L-amino-acid)

decedens*, *Asymmetrasca

decemlineata*, *Leptinotarsa

decempunctata*, *Adalia

decempunctata*, *Dialeuropora

2-Decenal, (*E*-), in *Vitellus insularis*
defensive secretion 583

2-Decenoic acid, 9-oxo-
(*E*-)

in *Dacus tryoni*
effects on oogenesis of 6518
reducing fecundity 6519

in *Lucilia cuprina*, effects on oogenesis
of 6518

5-Decen-1-ol

(*E*-), with (*E*-5-decenyl acetate, *Anarsia lineatella* sex pheromone 2416, 2863
acetate, (*E*-), with (*E*-5-decen-1-ol,
Anarsia lineatella sex pheromone
2416, 2863

deciduana*, *Cydia (see *C. millenniana*)

Deciduous trees

pests of
in Switzerland 3543
in West Germany 3543
Siricidae on, in Europe 2151

decipiens*, *Empoasca
decipiens*, *Pristiphora
declivis*, *Scobicia
decora*, *Leptobyrsa
decorsei*, *Isaniris
decorum*, *Trichomma
decrescens*, *Ademon

- Dectes texanus**
 biology of 865
 in USA 865
 on *Ambrosia trifida*, in Missouri 865
 on soy bean, in Missouri 865
 parasitised by, Hymenoptera, in Missouri 865
- Decticus verrucivorus gracilis**, in USSR 735
- decurvus, Rosenus**
- dedalus, Lapaeumides**, (*Castnia*)
- Deergrass** (see *Rhexia*)
- Deet** (*N,N*-diethyl-3-methylbenzamide)
 antifeedant for, *Neodiprion* spp. 2542
- Defensive secretions**
Ceratomegilla maculata 6483
Eurydema pulchrum 1748
E. rugosum 1748
Nezara viridula 1748
Odontotermes badius 212
Oecophylla longinoda 4628
Romalea microptera 5868
Spilostethus pandurus 5874
Tenebrionidae 2403
Vitellus insularis 583
- deflorata, Cassida**
- defoliaria, Erannis**
- degenerans, Iphiseius**
- Dehydrochlorinase, DDT-**, in *Musca domestica*, induced by pesticides 1655
- Dehydriodiazinon** (see Phosphorothioic acid, *O,O*-diethyl *O*[6-methyl-2-(1-methylethenyl)-4-pyrimidinyl] ester)
- Dehydriodiazinon oxon** (see Phosphoric acid, diethyl 6-methyl-2-(1-methylethenyl)-4-pyrimidinyl ester)
- Dehydrogenase, alcohol**
 in *Drosophila melanogaster* 7070
 genetics of 2456
 isoenzymes
 in *Dacus neohumeralis* 4595
 in *Dacus tryoni* 4595
- Dehydrogenase, glucose 6-phosphate**, in *Locusta migratoria*, activity during cuticle formation of 5428
- Dehydrogenase, glutamate**, in *Mamestra brassicae*, effects of *Nosema* infection on activity of 6480
- Dehydrogenase, glutamate (nicotinamide adenine dinucleotide (phosphate))**, in *Locusta migratoria*, activity during cuticle formation of 5428
- Dehydrogenase, glyceraldehyde phosphate**, in *Locusta migratoria*, activity during cuticle formation of 5428
- Dehydrogenase, glycerol phosphate**, in *Locusta migratoria*, activity during cuticle formation of 5428
- Dehydrogenase, lactate**
 in *Calliphora vicina* 587
 in *Ephestia cautella*, effects of carbon dioxide anaesthesia on 2420
- Dehydrogenase, lactate contd.**
 in *Locusta migratoria* 587
 activity during cuticle formation of 5428
 in *Mamestra brassicae*, effects of *Nosema* infection on activity of 6480
 in rabbit
 effects of insecticides on 3300
 mirex inhibition of 6946
 in *Samia cynthia* 587
 isoenzymes
 in *Galleria mellonella*, effects of microsporidia on 2201
 in *Mamestra brassicae*, effects of microsporidia on 2201
- Dehydrogenase, malate (decarboxylating) (nicotinamide adenine dinucleotide (phosphate))**, in *Locusta migratoria*, activity during cuticle formation of 5428
- Dehydrogenase, octanol**
 isoenzymes
 in *Dacus neohumeralis* 4595
 in *Dacus tryoni* 4595
- Dehydrogenase, succinate**
 in *Acheta domestica* flight muscles 3416
 in *Caloglyphus berlesae*, malonate inhibition of 6239
 in *Locusta migratoria*, activity during cuticle formation of 5428
 in rat, phosfolan inhibition of 3314
 in *Tyrophagus putrescentiae*, malonate inhibition of 6239
- Dehydrogenase, xanthine**
 in *Agrotis segetum*, activity pattern of 580
 in *Pieris brassicae*
 role in nitrogen metabolism of 1743
 role in nitrogenous excretion of 4029
- Deilephila elpenor**, peptides in 4681
- Deladenus siricidicola**, in, *Sirex noctilio*, in New Zealand 5219
- Delaware**
Coccinella septempunctata in, introductions of 4714
Ostrinia nubilalis in
 natural enemies of 2724
 on maize 2724
Stelidota geminata in 2475
Tetranychus turkestanii in, on soy bean 1927
- deleoni, Typhlodromus**, (*Amblydromella*)
- delhiensis, Maniella**
- Delia**
 control of
 genetic 5113
 insecticides for 5604
 on *Phaseolus vulgaris*, in England 5604
Delia antiqua (see also *Hylemya antiqua*)
 control of
 insecticides for 4558, 7652
 sterile-insect release for 5135

***Delia antiqua* contd.**

- gametogenesis in 7093
- in Netherlands 5135
- in Poland 6761, 7652
- in USA 4558
- on onion
 - in Netherlands 5135
 - in New York 4558
 - in Poland 7652
- parasitised by, *Phygadeuon trichops* 5209

***Delia brassicae* (see also *Hylemya brassicae*)**

- biology of 5592
- control of
 - crop management for 7582
 - insecticides for 2041, 4333, 4557, 4583, 4933, 5598, 6149, 6765, 7652
 - integrated 7340
- diapause in 5898
- dieldrin resistance in, in Alberta 2041
- in Canada 2041
- in Poland 4933, 6761, 7652
- in Switzerland 5592–5593
- in UK 4333, 5598, 5978, 7582
- in USA 4557
- in USSR 6765, 7340
- on brussels sprouts
 - effects of intra-crop diversity on 7582
 - in England 7582
- on cabbage
 - in Moldavia 7340
 - in New York 4557
 - in Northern Ireland 4333
 - in Poland 4933, 7652
 - in Russian Republic 6765
- on cauliflower
 - effects of plant density on 6149
 - in England 5598
 - in Northern Ireland 4333, 5978
- on crucifers, in Poland 6761
- on turnip, in New York 4557
- parasitised by

Aleochara spp., and biological control using, in Moldavia 7340

Phygadeuon trichops 5209

population dynamics of 5593

predators of

in Northern Ireland 5978

in Switzerland 5593

taxonomy of

authorship of 5237

Hylemya radicum distinct from 5237

traps for 5592

Delia cilicrura* (see *D. platura*)**Delia coarctata* (see also *Hylemya coarctata*)**

- control of
 - cultural measures for 7229
 - insecticides for 7229, 7586–7587
- feeding behaviour in, effects of plant components on 6462
- in UK 1904, 7229, 7586–7587, 7618

***Delia coarctata* contd.**

- mortality in 1904
- on grain crops, in UK 7618
- on oats, anti-arrestant for 6462
- on wheat
 - arrestant for 6462
 - in England 7229, 7587
 - in Scotland 7229
 - in UK 7586
- parasitised by, Hymenoptera, in England 1904
- predators of, in England 1904

Delia echinata

- biology of 5405
- in Czechoslovakia 5405
- on carnation, in Czechoslovakia 5405
- on spinach, in Czechoslovakia 5405

Delia extremitata

- biology of 7277
- descriptions of 7277
- in Canada 7277
- on *Bromus inermis*, in Alberta 7277
- on *Bromus pumellianus*, in Alberta 7277

***Delia floralis* (see also *Hylemya floralis*)**

- control of, insecticides for 6765
- in USSR 6765
- on cabbage, in Russian Republic 6765

***Delia platura* (see also *Hylemya platura*)**

- biology of 5592
- control of, insecticides for 4557, 6153, 6394, 6773
- in Austria 7351
- in Netherlands 6773
- in Poland 6769
- in Switzerland 5592–5593
- in UK 6153
- in USA 4557
- life history of 6773
- on crucifers, in Netherlands 6773
- on cucumber, damage caused by 4195
- on maize
 - damage caused by 4195
 - in Netherlands 6773
 - in New York 4557
- on pea
 - damage caused by 4195
 - in New York 4557
- on *Phaseolus*, damage caused by 4195
- on *Phaseolus lunatus*, in New York 4557
- on *Phaseolus vulgaris*
 - in Austria 7351
 - in England 6153
 - in Netherlands 6773
 - in New York 4557
 - in Poland 6769
- on potato, in Netherlands 6773
- on pumpkin, in New York 4557
- on soy bean, damage caused by 4195
- on squash, damage caused by 4195
- population dynamics of 5593

***Delia platura* contd.**

- predators of, in Switzerland 5593
- traps for 5592, 6773

delicata*, *Erinwa

delongi*, *Scaphytopius acutus 2332

Delonix regia (see *Poinciana*)

***delotella*, *Telephila*, (*Dichomeris*)**

Delphacidae

- in India 2324
- in Sri Lanka 4209
- in acidic grassland, in UK 195
- parasitised by

Agonatopoides spp. 7206

Dryinidae 6012

in UK 195

Pipunculidae, in UK 195

Strepsiptera, in UK 195

Delphastus, preying on, *Aleurocanthus woglumi*, in El Salvador 1429

Deltocephalinae

in Ethiopian region 2352

in New Zealand 2354

taxonomy of 19

Deltocephalus, in South Africa 3995

Deltocephalus mystax

sp. n., description of 1101

in USA 1101

on grasses, in Colorado 1101

Deltocephalus serpentinus

sp. n., description of 1101

in Canada 1101

on grasses, in Alberta 1101

Demephion (demephion-O plus demephion-S)

against

aphids

on potato 7375

on *Vicia faba* 5602

Aphis fabae

on beet 5610

on sugar-beet 5610

Brevicoryne brassicae, on cabbage 4921

Cydia nigricana 1676

Myzus humuli, on hop 226

M. persicae

on beet 5610

on sugar-beet 5610, 5620

on tobacco 181, 5620

Thrips tabaci, on tobacco 181

determination of 1213

in cauliflower, residues of 5805

in *Coccinella septempunctata*, toxicity of 3955

in cucumber, residues of 1688, 5805

in *Phaseolus*

metabolism of 1682

residues of 1682

in tobacco fields, non-target effects of 181

in tomato

effects of 5813

Demephion contd.

in tomato contd.

metabolism of 1682

residues of 1682

with γ -BHC, against, *Myzus persicae*, on tobacco 5620

with oil emulsion, against, aphids, on

Vicia faba 5602

with zineb, against, *Myzus persicae*, on sugar-beet 5620

Demephion-O (*O,O*-dimethyl *O*-[2-(methylthio)ethyl] phosphorothioate) with demephion-S (see Demephion)

Demephion-S (*O,O*-dimethyl *S*-[2-(methylthio)ethyl] phosphorothioate) with demephion-O (see Demephion)

Demethylase

in *Lymantria dispar*, dichlorvos

metabolism by 1115

in sheep, effects of insecticides on 2310

Demethylase, aminopyrine

in mouse, phosphorothioate inhibition of 5158

in rat

not affected by fenitrothion 3911

phosphorothioate inhibition of 5158

Demethylase, *p*-chloro-*N*-methylaniline, in Saturniid larvae 5888

Demethylchlordimeform (see

Methanimidamide, *N*-(4-chloro-2-methylphenyl)-*N'*-methyl-)

Demeton (demeton-O plus demeton-S) against

Aphis pomi, on apple 1418

Hylobius pales 1664

Keiferia lycopersicella, on tomato 882

Macrosiphum euphorbiae, on lettuce 4557, 4925

Myzus humuli, on hop 226

M. persicae

on lettuce 4557, 4925

on peach 7321

Tetranychus urticae, on bean 4228

Trialeurodes vaporariorum 1694

Uroleucon pseudambrosiae, on lettuce 4925

in *Amblyseius fallacis*, toxicity of 3902, 4228

in apple orchards, effects on mites of 2011

in *Encarsia formosa*, toxicity of 1694

in *Pemphigus bursarius*, effects on mycetome of 1033

in *Typhlodromus pyri*, not toxic 3902 resistance to, in, *Amblyseius fallacis*, in Michigan 6025

with *Bacillus thuringiensis*, against, *Keiferia lycopersicella*, on tomato 882

with leptophos, against, *Keiferia lycopersicella*, on tomato 882

Demeton-methyl (see Methyl-demeton)

- Demeton-O** (*O,O*-diethyl *O*[2-(ethylthio)ethyl] phosphorothioate) with demeton-S (see Demeton)
- Demeton-O-methyl** (see Methyl-demeton-O)
- Demeton-S** (*O,O*-diethyl *S*[2-(ethylthio)ethyl] phosphorothioate) with demeton-O (see Demeton)
- Demeton-S-methyl** (see Methyl-demeton-S)
- Demeton-S-methyl sulphone** (*S*[2-(ethylsulfonyl)ethyl] *O,O*-dimethyl phosphorothioate) with azinphos-methyl against
Contarinia pisi, on pea 7528
 pests of rape 7387
- Demetrius atricapillus**
 in UK 4772
 in grain fields, in England 4772
 preying on, aphids, in England 4772
- demetrius, Papilio protenor**
- demoleus, Papilio**
- Demyrsus meleoides**
 control of, insecticides for 3726
 descriptions of 3726
 in Italy 3726
 on *Encephalartos villosus*, in Italy 3726
 on *Macrozamia macdonellii*, in Italy 3726
- Dendrobacillin** (see *Bacillus thuringiensis* var. *dendrolimus*)
- Dendrocerus carpenteri**
 development in 361
 hyperparasitising, *Acyrtosiphon pisum*, in British Columbia 361
 in Canada 361
- Dendrocerus niger** (see *D. carpenteri*)
- dendroctoni, Cecidostiba**
- dendroctoni, Proctolaelaps**
- Dendroctonus**
 aggregation in 925
 aggregation pheromone of 925
Bacillus spp. in, role in pheromone production of 1144
 chemo-acoustic behaviour mechanisms in 4107
 on *Pinus maximinoi*, in Guatemala 925
 pheromone production in 64
 traps for 925
- Dendroctonus brevicomis**
 control of, pest management for 5022–5023
exo-brevicomis in 64
 in USA 5023
 natural enemies of, effects of host pheromones on 5023
 olfaction in 4640
 on *Pinus ponderosa*, resistance to 3765
 pheromones in 412, 5030
 preyed on by, *Temnochila virescens* 5023
 sexual behaviour in 412
- Dendroctonus frontalis**
 aggregation in 5027–5029
- Dendroctonus frontalis contd.**
 aggregation pheromone in, responses to 7418
 attractants for 5027
 control of 5025, 5032–5033
 economics of 5024
 pest management for 5022, 5028
 pheromones for 5027–5028
 trap trees for 5090, 5668
 distribution of 3042
 hydrocarbons in, oxidation of 2383
 in USA 1273, 2162, 3759, 5020–5022, 5024, 5026, 5028, 5032–5033, 5090, 5668, 7418
 mycangia in, release of fungi from 5016
 olfaction in 4640, 5029
 on *Pinus*
 assessing infestations of 2162
 damage caused by 5024
 in North Carolina 5090
 in Texas 2162, 5024, 5028
 on *Pinus clausa*, in Florida 3759
 on *Pinus echinata*
 in Florida 3759
 in Georgia (USA) 3759
 on *Pinus elliotii*, in Florida 3759
 on *Pinus glabra*, in Florida 3759
 on *Pinus leiophylla*, in Mexico 3042
 on *Pinus oocarpa*, in Honduras 3042
 on *Pinus palustris*, in Florida 3759
 on *Pinus taeda* 60
 distribution pattern of 5668
 effects of host and site on 5026
 in Florida 3759
 in Georgia (USA) 3759
 in Texas 3042, 5026, 5668, 7418
 in USA 5022
 in Virginia 3042
 on *Pinus tenuifolia*, in Guatemala 3042
 pheromones in 60, 3042, 5027, 5030
 population dynamics of 5025
 preyed on by, mites, and biological control using 3556
 research on 5021
 taxonomy of 925
 terpene metabolism in 60
- Dendroctonus mexicanus** (see *D. frontalis*)
- Dendroctonus micans**
 biology of 7409, 7437
 control of 7409
 insecticides for 7437
 distribution of 7437
 in France 7409
 in Turkey 7437
 natural enemies of, in France 7409
 on *Picea*, in France 7409
 on *Picea orientalis*, in Turkey 7437
 taxonomy of 7437
- Dendroctonus ponderosae**
 aggregation pheromone in, effects of host factors on responses to 7414

***Dendroctonus ponderosae* contd.**

- control of
 - crop management for 4411
 - fumigants for 4446
- emergence in 5658
- food-plants of, selection of 7414
- in USA 918, 1512, 4411, 4446, 5658, 5664, 5688
- in *Pinus ponderosa* timber, in Colorado 4446
- mortality in 1512
- on *Pinus contorta*
 - abandoned galleries of 5688
 - damage caused by 5664
 - forecasting infestations of 5010
 - in USA 1512, 5664
 - in Utah 5688
- on *Pinus lambertiana*, in California 918
- on *Pinus monticola*, in Washington 5658
- on *Pinus ponderosa*
 - in USA 4411
 - in Washington 5658
- pheromone production in 64

Dendroctonus pseudotsugae

- aggregation pheromone in 2449
- anti-aggregation pheromone of, activity of analogues of 4999
- attractants for 5665
- Contortylenchus reversus* in
 - effects of 4465
 - effects on haemolymph and oocytes of 2230
- control of
 - anti-aggregation pheromones for 4391
 - growth regulators for 6961
 - use of aggregation pheromone in 3211
- fats in 4135
- flight muscles in, degeneration of 32
- haemolymph in, effects of nematode infection on 2230
- in USA 3211, 4391, 4999, 5665
- intraspecific competition in 4135
- on *Pseudotsuga menziesii* 32
 - in Idaho 3211
 - in Oregon 4391, 4999
- oocytes in, effects of nematode infection on 2230
- pheromones in 2383
- preyed on by, *Medetera aldrichii* 4802
- traps for 4999

Dendroctonus punctatus

- flight activity in 4399
- in USA (Alaska) 4399
- on *Picea glauca*, in Alaska 4399

Dendroctonus rufipennis

- antiaggregative pheromone of 6212
- control of
 - anti-aggregation pheromones for 4391
 - attractants for 3757
 - insecticides for 3757
 - trap trees for 6212
- flight activity in 4399

***Dendroctonus rufipennis* contd.**

- food-plant selection in 4399
- in Canada 3757, 6212
- in USA 4391
- in USA (Alaska) 4399
- on *Picea*, in British Columbia 3757
- on *Picea engelmannii*, in British Columbia 6212
- on *Picea glauca*
 - in Alaska 4399
 - in British Columbia 6212
- on *Picea sitchensis*, in Oregon 4391
- predators of, effects of insecticides on 3757
- preyed on by, *Thanasimus undatulus*, in British Columbia 3757, 6212

Dendroctonus terebrans

- in USA 5026
- on *Pinus taeda* 60
 - in Texas 5026
- pheromones in 60
- terpene metabolism in 60

Dendroctonus valens

- pheromone production in 64
- sound production in 5902

***Dendrolaelaps isodontatus*, preying on,**

- Dendroctonus frontalis* 3556

***Dendrolaelaps neocornutus*, preying on,**

- Dendroctonus frontalis* 3556

***Dendrolaelaps neodisetus*, preying on,**

- Dendroctonus frontalis* 3556

Dendrolasin* (see Furan, 3-(4,8-dimethyl-3,7-nonadienyl)-, (E)-)**Dendrolimus pini***

- cytoplasmic polyhedrosis virus in, pathogenicity of 1217-1218
- in USSR 5697
- on *Pinus*
 - forecasting infestations of 5697
 - in Bashkiria 5697
- taste receptors in, responses of 1123

Dendrolimus punctatus

- biology of 3740
- fungi in, in Vietnam 3740
- in Vietnam 3740
- on *Pinus massoniana*, in Vietnam 3740
- on *Pinus merkusii*, in Vietnam 3740
- parasites of, in Vietnam 3740

Dendrolimus spectabilis

- cytoplasmic polyhedrosis virus in, infectivity of 2192
- dorsal vessel in, fluctuations in pulse frequency of 7062
- in Japan 605
- on *Pinus*, in Japan 605
- sex pheromone of 605
- traps for 605

Dendrosoter protuberans

- emergence in 6000
- in Austria 3752
- overwintering in 6000

***Dendrosoter protuberans* contd.**

parasitising

Scolytus multistriatus

and biological control using, in

Colorado 6000

in Austria 3752

Dendrothrips eastopi

sp. n., description of 408

in UK 408

on ivy, in UK 408

Denmark*Agrotis* spp. in 6910

aphids in, on potato 4349

Attagenus smirnovi in 5376

Coccoidea in 6448

Curculionidae in, on *Fagus* 2131

dwellings in, insects in 6237

Epinotia tedella in, on *Picea* 4220*Fagus* spp. in, pests of 2130*Fenusa pusilla* in, natural enemies of 1883

Heteroptera in 1716

Lymantria monacha in, on *Pinus* 5003*Melolontha hippocastani* in 1510*M. melolontha* in 1510*Operophtera brumata* in 1163

pesticide use in 6956

plant pests in 5400

Prociphilus pini inon *Crataegus* 6830on *Pinus* 6830

Raphidioptera in 2468

Reesa vespulae in, in museums 6852

Sphecidae in 5369

Thera variata in, on *Abies* 6812***densa*, *Arzama*****Density, of *Bacillus thuringiensis***

formulations 3169

densus*, *Scaphoideus***dentatus*, *Phloeosinus******denticornis*, *Limothrips******denticulata*, *Hypogastrura******Dentifibula viburni***

in USA 3548

preying on, *Pseudaulacaspis pentagona*, in

Florida 3548

Dentifrices, *Niptus hololeucus* in, in West

Germany 5763

dentipalpis*, *Erigone***dentipes*, *Monodontomerus******dentipes*, *Riptortus*****Deoxyribonucleic acids**in *Agrotis segetum* granulosis virus 6326in *Anthonomus grandis*, during diapause 6474

in aphid chromosomes 6515

in *Cardiophiles nigriceps* virus-like particles 2224in *Drosophila melanogaster*, effects of hormones on synthesis of 1772in *Euxoa auxiliaris* pox virus 2211

in iridescent viruses, synthesis of 953

Deoxyribonucleic acids contd.in *Manduca sexta*, effects of β -ecdysone on synthesis of 4665in *Oncopeltus fasciatus*, binding of isoxanthopterin to 6503in *Pieris brassicae*, correlation of pupal-adult transformation and 5258in *Rhynchosciara angelae*, effects of nuclear polyhedrosis virus on 1585in *Serratia marcescens* 6898in *Spodoptera litura* nuclear polyhedrosis virus 6895in *Tetranychus urticae* midgut, apholate inhibiting synthesis of 78***depressa*, *Crematogaster******depressa*, *Pauropsylla******Depressaria daucella***

in Poland 6648

on caraway, in Poland 6648

Depressaria nervosa* auct. (see *D. daucella*)**depressella*, *Emmalocera******depressus*, *Brachypeplus******depressus*, *Melanotus******depressus*, *Oxyleurites******depressus*, *Pytho******depunctalis*, *Nymphula******Deraeocoris*, preying on, aphids, in Italy 1407*****Deraeocoris flavilinea***

biology of 1408

descriptions of 1408

in Italy 1408

preying on

Brachycaudus spp., in Italy 1408*Hyalopterus pruni*, in Italy 1408*Myzus persicae*, in Italy 1408***Deraeocoris nebulosus***

biology of 6614

descriptions of 6614

in USA 4803, 6614

preying on

pests of ornamentals, in Pennsylvania 6614

Tetranychidae, in Missouri 4803

Deraeocoris punctulatus

in Turkey 6602

preying on, *Tetranychus urticae*, in

Turkey 6602

Derbidae, in Africa 6441**Dermaptera**

in California 4138

in Turkey 4141

in West Germany, importation of 2674

in barley fields, in UK 4254

in wheat fields, in UK 4254

parasitised by, *Phygadeuon* spp. 1284

preying on

aphids, in UK 4254

Zeiraphera diniana, in Switzerland 2157**Dermatitis, in man, caused by *Monosteira unicostata* 1406**

Dermestes

- in UK 7001
- keys to 7001

Dermestes ater

- in USSR 6204
- preying on, *Lymantria dispar*, in Azerbaijan 6204

Dermestes frischii

- control of, insecticides for 1674
- development in, effects of γ -irradiation on 1786
- in hide 1674

Dermestes haemorrhoidalis

- in Denmark 6237
- in UK 6237, 7001
- in dwellings
 - in Denmark 6237
 - in UK 6237

Dermestes lardarius

- control of 6863
- in Canada 6863
- in USSR 6204
- in timber, damage caused by 3085
- mouthparts and olfactory organs in 3085
- on *Musca autumnalis* 6863
- on *Pollenia* 6863
- preying on, *Lymantria dispar*, in Azerbaijan 6204

Dermestes maculatus

- adults of, effects of γ -irradiation on 2463
- biology of 1531
- control of
 - insectistics for 1631
 - γ -irradiation for 6234
- development in
 - effects of cholesterol analogues on 4051
 - effects of fatty acids and fluorine analogues on 3343
 - effects of sodium chloride on 5700
- fatty acid fluorine analogues in, toxicity of 3343
- fatty acids in
 - gustatory and olfactory responses to 3266
 - synthesis of 585
- feeding in, effects of fatty acids and fluorine analogues on 3343
- in Mali 6234
- in Nigeria 1534, 4426-4427
- in balsa wood, imported into West Germany 1531
- in dried fish
 - development of 1533-1534
 - in Nigeria 1534, 4426-4427
- in dried smoked fish, in Mali 6234
- in fish meal, development of 5700
- in timber, damage caused by 3085
- insecticide resistance in 1532
- mouthparts and olfactory organs in 3085
- nutrition of 585

Dermestes maculatus contd.

- respiratory metabolism in
 - effects of ecdysterone on 1131
 - effects of JH mimics on 1131
- temperature preferences in 4118

Dermestes peruvianus

- in Denmark 6237
- in UK 6237, 7001
- in dwellings
 - in Denmark 6237
 - in UK 6237

Dermestes vulpinus (see *D. maculatus*)**Dermestidae**

- control of, inert dusts for 5709
- in rail freight wagons 6293
- in stored wheat, in Kansas 5709

dermestoides, Hylecoetus**dermestoides, Martianus****Dermolepida albohirtum**

- Entomopoxvirus* spp. in
 - in Queensland 1596
 - properties of 1597
- in Australia 1596

derogata, Sylepta**Derostenus polyzo** (see *Chrysoscharis*)**Derostenus variipes**

- in USA 4924
- parasitising, *Liriomyza trifolii*, in Florida 4924

desantisi, Copidosoma**Deschampsia caespitosa**

- Muellerianella brevipennis* on, in Netherlands 6529
- M. fairmairei* on, not able to develop 6529

deschampsiae, Phytocoptes**desertorum, Tetranychus****Deserts**

- Chrysomelidae in, in Kazakhstan 7183
- Isoptera in, in Senegal 3559

desertus, Melanogryllus

(*Acheta*)

desideratus, Biosteres, (Opus)**Desmia funeralis**

- control of, *Bacillus thuringiensis* for 316
- in USA 316
- on grapevine, in Missouri 316

Desmodium

- Heliothis* spp. on, in South Carolina 3512

- Pinnaspis aspidistrae* on, in Colombia 5532

Desmodium intortum

- Amnemos quadrituberculatus* on, in New South Wales 6704
- Hedylepta indicata* on, in Réunion 4801
- Oncopera* spp. on, in Queensland 301

Desmodium tortuosum

- Urbanus dorantes* on, in Florida 4336
- U. proteus* on, in Florida 4336

- Desmodium uncinatum*, *Amnemus quadrituberculatus* on, in New South Wales 6704
- Desmosterol** (see Cholesta-5,24-dien-3-ol, (3 β)-)
- despecta*, *Wiseana*
- Despirol** (see Kelevan)
- destructor*, *Aspidiotus destructor*, *Ctenicera destructor*, *Gascardia destructor*, *Gascardia* (*Ceroplastes*)
- destructor*, *Glycyphagus destructor*, *Halotydeus destructor*, *Mayetiola destructor*, *Tribolium destruens*, *Tomicus* (*Blastophagus*, *Myelophilus*)
- detectus*, *Iridomyrmex* (see *I. purpureus*)
- detersa*, *Euxoa*
- Detia Gas-Ex-B** (see Phosphine [from aluminum phosphide])
- detritus*, *Plagionotus deusta*, *Aeneolamia varia*
- Deuteromycetes**, in, stored wheat, effects on pests of 1560
- devastans*, *Amrasca* (*Empoasca*)
- devector*, *Dysaphis*
- Devorgilla canescens* (see also *Venturia canescens*)
- in Peru 692
- parasitising *Ephestia cautella* 1290
- E. kuehniella*, in Peru 692
- Dexon** (see Fenaminosulf)
- Dextranase**, in *Locusta migratoria* gut 739
- Dextrins**, diet component for, *Choristoneura fumiferana* 3031
- Di-Syston** (see Disulfoton)
- Diabrotica**
- control of, insecticides for 2664
- on maize, resistance to, evaluation of 3592
- Diabrotica balteata*
- food preferences of 5983
- in Colombia 5983
- in Mexico 1164
- traps for 1164
- Diabrotica longicornis*
- biology of 1947
- control of, insecticides for 1691, 1947, 6049
- emergence in 6050
- gut contents of *D. virgifera* and 2794
- in Canada 1691, 6050
- in USA 1947, 2539, 2791, 2794
- literature on 2791
- on maize
- effects of tillage on 6050
- in Illinois 1947
- in Michigan 2539
- in Nebraska 2794
- Diabrotica longicornis* contd.
- on maize contd.
- in Ontario 1691, 6050
- in USA 2791
- rearing of, techniques for 4732
- Sporozoa in 2794
- Diabrotica speciosa*
- biology of 4761
- control of 4761
- insecticides for 4970
- food-plants of 4761
- in Brazil 4761, 4970
- on potato, in Brazil 4970
- Diabrotica undecimpunctata howardi*
- in USA 2539, 5608
- on maize, in Michigan 2539
- on soy bean, in Illinois 5608
- oviposition in 5608
- preyed on by, *Apiomerus crassipes* 1867
- rearing of, techniques for 4732
- Diabrotica virgifera*
- biology of 1947
- control of, insecticides for 309, 1947, 2292
- eggs of, effects of chill periods on 5897
- flight activity in 2788
- gut contents of *D. longicornis* and 2794
- in USA 309, 1742, 1947, 2539, 2788, 2791, 2794
- insecticide susceptibility in, use of phototaxis in determining 2292
- life-span in 1742
- literature on 2791
- on maize
- in Illinois 1947
- in Iowa 2788
- in Michigan 2539
- in Nebraska 309, 2794
- in USA 2791
- rearing of, techniques for 4732
- reproduction in 1742
- Sporozoa in 2794
- traps for 2788
- Diabrotica viridula*
- food preferences of 5983
- in Colombia 5983
- Diacavus*, mycetangia in 4401
- Diachrysia orichalcea*
- control of, antifeedants for 3021
- in Kenya 3021
- on *Bidens pilosa*, in Kenya 3021
- on coffee
- damage caused by 3021
- in Kenya 3021
- traps for 1224
- Diacrisia obliqua*
- biology of 2059, 6777
- control of
- insecticides for 863
- Neoaplectana carpocapsae* for 4783
- Entomophthora grylli* in, in Karnataka 1583

- Diacrisia obliqua* contd.**
 food preferences of 2045
 in India 863, 1583, 2045, 2059, 5429, 6641, 6777
Nomuraea rileyi in, in Madhya Pradesh 6641
 nuclear polyhedrosis virus in, morphology of 3151
 on cauliflower 2045
 on globe artichoke, in Karnataka 5429
 on groundnut, in Karnataka 1583
 on jute, in India 2059
 on radish, in Uttar Pradesh 2045
 on soy bean
 damage caused by 2059, 6777
 in India 6777
 in Madhya Pradesh 863, 2059, 6641
 resistance to 7358
 parasites of
 in India 2059
 in Madhya Pradesh 6641
 predators of, in Madhya Pradesh 6641
 preyed on by, *Rhynocoris fuscipes*, in India 2059
- Diadegma*, parasitising, *Phthorimaea operculella***, in Zambia 2070
- Diadegma armillata***
 in USSR 6103
 parasitising, *Yponomeuta padellus*, in Georgia (USSR) 6103
- Diadegma chrysostictos***
 in USSR 6818
 parasitising, *Yponomeuta rorellus*, in Ukraine 6818
- Diadegma compressa***
 in USA 3678
 parasitising, *Stegasta basqueella*, in Oklahoma 3678
- Diadegma contracta***
 in Poland 4926
 parasitising, *Eucosma conterminana*, in Poland 4926
- Diadegma crassicornis***
 descriptions of 6623
 hosts of 6623
 in Italy 6623
 parasitising, *Ostrinia nubilalis*, in Italy 6623
- Diadegma epinotiae***
 sp. nov., description of 1094
 in Japan 1094
 parasitising, *Epinotia aciculana*, in Japan 1094
- Diadegma fenestralis***
 in Poland 1352
 in Switzerland 5789
 in USSR 6767
 parasitised by, *Dibrachys cavus*, in Byelorussia 6767
 parasitising
 Plutella xylostella
 in Byelorussia 6767
- Diadegma fenestralis* contd.**
 parasitising contd.
 Plutella xylostella contd.
 in Caucasus 6767
 in Switzerland 5789
 Sphaerophoria scripta, in Poland 1352
- Diadegma japonicus***, taxonomy of, transferred to *Lemophagus* 1286
- Diadegma koizumii***
 sp. nov., description of 779
 in Japan 779
 parasitising
 Bedellia somnulentella, in Japan 779
 Phthorimaea operculella, in Japan 779
- Diadegma mollipla***
 in South Africa 5951
 in Zambia 2070
 parasitising
 Phthorimaea operculella
 in South Africa 5951
 in Zambia 2070
- Diadegma pini***
 sp. nov., description of 1094
 in Japan 1094
 parasitising, *Rhyacionia simulata*, in Japan 1094
- Diadegma surendrai***
 biology of 1278
 in India 1278
 parasitising, *Phthorimaea operculella*, in Karnataka 1278
- diadema, Philanthus triangulus***
- Diaeretiella rapae***
 descriptions of 3361
 development in 5996
 in Kenya 790
 in New Zealand 1895
 in Pakistan 856
 in South Korea 3361
 in USA 2968
 parasites of, in New Zealand 1895
 parasitised by
 Alloxysta brassicae 3542, 5927
 Pachyneuron aphidis 5927
 parasitising
 aphids
 and biological control using 982
 in Maine 2968
 in Kenya 790
 aphids on *Galium* 777
 Brevicoryne brassicae 3542, 5927
 in Japan 3836
 in New Zealand 1895
 in Pakistan 856
 Lipaphis erysimi, in Japan 3836
 Myzus persicae 664, 5927, 5996
 in Japan 3836
 rearing of, techniques for 664, 5996
- Diaeretus leucopterus***
 in Italy 6625
 parasitising, *Eulachnus rileyi*, in Italy 6625

Dialeurodes citri

activity in 5584

Aschersonia spp. in, and biological control using, in USSR 7325

control of, insecticides for 5584

in France 6123

in India 2026, 5584, 6649

in Italy 6905

in USSR 7325

on *Albizia lebbek*

damage caused by 6649

in Punjab 6649

on *Citrus*

effects of tree spacing on 2026

in Himachal Pradesh 2026, 5584

in Mediterranean Basin 6551

in USSR 7325

on lemon, in France 6123

on mandarin, in Italy 6905

on orange, in Italy 6905

on sour orange, in France 6123

parasitised by, *Prospaltella lahorensis*, and

biological control using, in Italy 6905

population dynamics of 6123

Dialeurodes citrifolii

descriptions of 2025

in Brazil 2025

on *Citrus*, in Brazil 2025**Dialeuropora decempunctata**

food-plants of 7330

in India 7330

on guava, in Tamil Nadu 7330

Dialifor (see *Dialifos*)**Dialifos** (S[2-chloro-1-(1,3-dihydro-1,3-dioxo-2*H*-isoindol-2-yl)ethyl] *O,O*-diethyl phosphorodithioate)

against

Aphis pomi, on apple 1418*Cerataphis variabilis*, on coconut 2844*Conotrachelus nenuphar*, on apple

7312

Curculio sayi 4896*Herpetogramma phaeopteralis*, on*Cynodon dactylon* 2822*Myzus humuli*, on hop 1337*Tetranychus arabicus*, on cotton 891*T. cucurbitacearum*, on cotton 891*T. urticae*, on hop 1337**Dianthus***Delia echinata* on, in Czechoslovakia 5405*Gastrophysa atrocyanea* on 2753*Isoneurothrips australis* on, in Peru 1092**Dianthus caryophyllus** (see *Carnation*)**Diaparsis**

parasitising

Oulema melanopus 2725

in Michigan 6676

taxonomy of, characters distinguishing

Lemophagus curtus and 2725**Diapause** 5967*Abacarus hystrix* 6526**Diapause contd.***Aceria tulipae* 6526*Adoxophyes orana* 6349*Aelia acuminata* 624, 2480*Aeneolamia varia* 2768*Anacridium aegyptium* 592*Anomala cuprea* 30*Antheraea pernyi* 648*Anthonomus grandis* 3453, 4372, 5638, 6474*Apanteles melanoscelus* 1287*Apis mellifera* 2437*Archips crataeganus* 1169*A. rosanus* 4913*Atrachya menetriesii* 2394*Bathyplectes curculionis* 5443*Batrachedra amydraula* 4301*Bombyx mori* 2437, 4059–4060, 5293, 5869–5870*Bruchophagus roddi* 6708*Bupalus piniarius* 2437*Camnula pellucida* 740*Chilo suppressalis* 134, 2482*Chilocorus bipustulatus* 2517*Chrysopa carnea* 647, 803–804, 3451, 4704*C. downesi* 4704, 5350*C. harrisii* 187*Cnephasia pasiuana* 271*Contarinia sorghicola* 4870*Corythucha ciliata* 6831*Curculio elephas* 7299*Cydia funebrana* 5353*C. molesta* 5353*C. pomonella* 648, 1416, 3251, 3610, 4308, 5353, 5565*Delia brassicae* 5592, 5898*Diaeretiella rapae* 5996*Diaprepes abbreviatus* 5253*Diatraea grandiosella* 596, 2440, 5881, 7078*D. saccharalis* 263*Dinarmus acutus* 3554*Diprion pini* 6567*Draeculacephala crassicornis* 24, 1737*Ephestia calidella* 1191*E. cautella* 441, 6289*E. figulilella* 1191*Euarestoides acutangulus* 6659*Eurygaster integriceps* 57, 273, 998, 1135, 2498*Evergestis forficalis* 626*Gryllus campestris* 4692*Heliothis armigera* 1167, 7090*H. virescens* 648, 4263*H. zea* 3129, 4263, 6522–6523*Hyalophora cecropia* 2448*Hylobius pales* 422*Hypera postica* 6541*Hyperodes bonariensis* 141*Kimminsia subnebulosa* 5460*Lema gallaeciana* 2772

Diapause *contd.*

- Leptinotarsa decemlineata* 1760, 6530
Limenitis archippus 625
Locusta migratoria 2437
Lophyprolectus luteator 4800
Malacosoma americanum 2212
Mamestra brassicae 591, 5906, 6531, 7118
Manduca sexta 1127, 2417, 3415
Margaritia sticticalis 7278
Mayetiola destructor 5492
Megastigmus spermatophorus 2133
Meleoma signoretti 4704
Metaseiulus occidentalis 88, 623, 627
Metasyrphus luniger 7105
Micromus angulatus 6021
Monosteira unicastata 430
Nabis alternatus 1168
N. americanoferus 1168
N. capsiformis 1168
Naranga aenescens 4850
Neodiprion sertifer 2481, 5352
Noctuidae 83
Oedaleus senegalensis 3527
Oedipoda caerulea 5416
Oncometopia alpha 2375
Ooencyrtus ennomophagus 2471
Orygia trigotephra 3774
Oria musculosa 2787
Ostrinia nubilalis 2439-2440, 3591, 5325, 5878, 6505, 6684
Oulema melanopus 2772
Pectinophora gossypiella 43, 648, 3703-3704, 4977, 5324, 6504, 6513
Perillioides bioculatus 7103
Phalera bucephala 5677
Phytocoptes deschampsiae 6526
Phytodietus griseanae 2159
Pieris rapae 577
Platycleis grisea 5416
Pristiphora abbreviata 1414
Pseudopraon mindariphagum 2330
Psylla pyricola 3452
Pterostichus spp. 4063
P. madidus 651
Pygaera anastomosis 3052
Rhagoletis cerasi 4320
R. indifferens 3471
Rhodnius spp. 2437
Semiadalia undecimnotata 6532
Spilosoma lubricipeda 87
S. luteum 87
Subcoccinella vigintiquatuor punctata 597-598, 6083
Teleogryllus commodus 5434
Terellia serratulae 1323
Tetranychus urticae 6602
Trogoderma granarium 59
Tyria jacobaeae 1797
hormonal control of 2440
initiation of 2519
- Diapause hormones**, *Bombyx mori* 4057, 4059
diaperinus, *Alphitobius*
Diaphania hyalinata (see *Palpita*)
Diaphania indica (see *Palpita*)
Diaphania nitidalis (see *Palpita*)
Diaphorina citri
citrus leaf-mottle-yellow virus in, transmission of 6747
citrus vein-phloem degeneration disease causal agent in
in Java 727
transmission of 727
control of, insecticides for 341
in China 6803
in India 341, 6803
in Indonesia 727
in Philippines 1078, 6747
monocrotophos bioassay using 6749
on *Citrus*
in Java 727
in Philippines 6747
on *Citrus mitis*, in Philippines 1078
on *Clausenia lansium*, in China 6803
on *Murraya koenigii*, in India 6803
on *Murraya paniculata*
damage caused by 6803
in Punjab 6803
on orange, in Punjab 341
population dynamics of 6747
seasonal abundance of 727
- Diapirini**
defensive behaviour in 2403
defensive secretion in 2403
- Diaprepes**, on sugar-cane, in Dominican Republic 7225
- Diaprepes abbreviatus**
control of, insecticides for 4994, 5585
in Puerto Rico 5585
in USA 654, 3549, 3830, 4994, 6752
on *Citrus*
development of 5253
in Florida 654, 3830
on citrus rootstocks, resistance to 2892
on orange
in Florida 6752
in Puerto Rico 5585
on ornamental plants, in Mississippi 4994
parasitised by, *Tetrastichus haitiensis*, and biological control using, in Florida 3549
population dynamics of 6752
- Diapus**, mycetangia in 4401
- Diapus pusillimus**
in Papua New Guinea 6207
on fire-damaged trees, in Papua New Guinea 6207
- Diarrhea**, in *Ostrinia kasmirica*, caused by *Serratia marcescens* 3143
- Diarthronomyia**, taxonomy of, reduced to subgenus of *Rhopalomyia* 2334

Diarthronomyia artemisiae, taxonomy of,
Rhopalomyia pomum proposed as new
 name for 2334

Diaspididae

control of, biological 6906
 hyperparasitised by
Marietta carnesi
 in Fukuoka Prefecture 4213
 in Miyazaki Prefecture 4213
 in Chile 691
 in Colombia 5532
 moulting in 5248
 natural enemies of 6906
 preyed on by, *Lindorus lophanthae*, and
 biological control using 1281

Diaspidinae, on fruit trees, in Egypt
 7283–7284

Diaspidini

in Brazil 1714
 larval segmentation in 2363
 on fruit trees, in Egypt 7284

Diaspidiotus danzigae

sp. nov., description of 7017
 biology of 7017
 in USSR 7017
 on *Juniperus depressa*, in Crimea 7017

Diaspis boisduvalii

in Colombia 5532
 on coconut, in Colombia 5532
 on *Musa*, in Colombia 5532
 on orchids, in Colombia 5532
 on *Talauma pumilla*, in Colombia 5532

Diaspis bromeliae

descriptions of 2363
 illustrations of 2363
 taxonomy of 2363

Diaspis echinocacti

descriptions of 2363
 illustrations of 2363
 parasitised by

Aphytis chrysomphali 92
A. melinus 92

Diatomaceous earth (see Kieselguhr)

Diatraea

control of
 biological 4824, 7222
 Metarhizium anisopliae for 6669
 on sugar-cane, in Brazil 4824, 6669
 parasitised by
Icelia flavescens, in Brazil 6438
Leskiomima australis, in Brazil 6438
Lixophaga diatraeae 251
Myobiosis arturi, in Brazil 6438
Plagiprospherysa trinitatis 1304
Trichogramma spp. 251
 rearing of, diets for 1304

Diatraea centrella

control of
 biological 229
 insecticides for 229
 in Bahamas 7222
 in Guyana 229, 253

Diatraea centrella contd.

in Trinidad and Tobago 253
 in Venezuela 253
 on sugar-cane
 in Bahamas 229, 7222
 in Trinidad 253
 parasitised by

Metagonistylum minense

defence mechanisms against 253
 in Guyana 253
 in Venezuela 253

Paratheresia claripalpis

defence mechanisms against 253
 in Trinidad 253

Diatraea grandiosella

ascorbic acid in, dietary requirement for
 4652
 control of, insecticides for 703
 development in, hormonal control of
 7078
 diapause in
 effects of methoprene on 596, 5881
 hormonal control of 2440, 7078
 distribution maps of 6425
 in Mexico 703
 in USA 6055, 6425
 on maize
 in Indiana 6055
 in Mexico 703

Diatraea impersonatella

in Guadeloupe 6668
 in Trinidad and Tobago 253
 on *Paspalum virgatum*, in Guadeloupe
 6668
 on sugar-cane
 in Guadeloupe 6668
 in Trinidad 253

parasitised by

Lixophaga diatraeae, and biological
 control using, in Guadeloupe 6668
Metagonistylum minense, and biological
 control using, in Guadeloupe 6668

Paratheresia claripalpis

and biological control using, in
 Guadeloupe 6668
 in Trinidad 253

Diatraea lineolata

in Bahamas 229, 7222
 on sugar-cane, in Bahamas 229, 7222

Diatraea saccharalis

control of 7223
Bacillus thuringiensis for 269
 insecticides for 236, 269, 704, 709–710
 development in 234
 effects of temperature on 6665
 distribution of 1958
 egg-hatch in 235
 flight activity in 4700
 in Brazil 4700
 in Colombia 3540
 in Dominican Republic 7223
 in Guadeloupe 6668

***Diatraea saccharalis* contd.**

- in Peru 704, 709-710
- in Puerto Rico 3137
- in Trinidad and Tobago 253
- in USA 235-236, 263, 269, 6026
- Metarhizium anisopliae* in
 - in Puerto Rico 3137
 - pathogenicty of 3137
- Microsporidia in, in Puerto Rico 3137
- on maize, in Peru 704
- on *Paspalum virgatum*, in Guadeloupe 6668
- on rice 1958
 - in Peru 709-710
- on *Saccharum spontaneum*, resistance to 266
- on sugar-cane
 - in Colombia 3540
 - in Dominican Republic 7223
 - in Guadeloupe 6668
 - in Louisiana 235-236, 263, 269, 6026
 - in Trinidad 253
 - resistance to 234
 - evaluation of 3867
- overwintering in 263
- parasites of, in Louisiana 1958
- parasitised by
 - Lixophaga diatraeae* 3128, 3553, 6665-6666
 - and biological control using
 - in Guadeloupe 6668
 - in Louisiana 6026
 - Metagonistylum minense*, and biological control using, in Guadeloupe 6668
 - Paratheresia* spp., in Colombia 3540
 - P. claripalpis*
 - and biological control using, in Guadeloupe 6668
 - in Trinidad 253
- predators of, in Louisiana 235, 1958
- rearing of
 - diets for 237, 6577
 - techniques for 6666
- Serratia marcescens* in, control of 3128
- Diatraea venosatus* (see *Chilo*)**
- diatraeae*, *Apanteles diatraeae*, *Lixophaga diatraeae*, *Trichospilus diatraeophaga striatalis***
 - in Indonesia 250
 - parasitising
 - Chilo auricilius*, and biological control using, in Indonesia 250
 - C. sacchariphagus*, and biological control using, in Indonesia 250
- Diazene, [(4-chlorophenyl)thio](2,4,5-trichlorophenyl)- (see Chlorfensulphide)**
- Diazenesulfonic acid, [4-(dimethylamino)phenyl]-, sodium salt (see Fenaminosulf)**

Diazinon (*O,O*-diethyl *O*[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] phosphorothioate)
against

- Aceria mangiferae*, on mango 7331
- Aeneolamia varia*, on sugar-cane 1935
- Agriotes* spp. 152, 2281
 - on potato 2964
 - on sugar-beet 2663
- Ammalo helops*, on *Ficus* 5574
- Antigastra catalaunalis* 2079
- aphids, on tobacco 7399
- Aphis pomi*, on apple 1418
- Athalia lugens*, on radish 356
- Atomaria linearis*, on sugar-beet 3945
- Beprhata maculicollis*, on soursop 4997
- Blaniulus guttulatus*, on sugar-beet 3945
- Brachydesmus superus*, on sugar-beet 3945
- Bruchophagus roddi*, on lucerne 6084
- Cephaloleia* spp., on oil palm 7289
- Chalcodermus bimaculatus*, on *Vigna unguiculata* 4946
- Chilo agagemnon*, on sugar-cane 819
- C. infuscatellus*, on sugar-cane 6667
- C. polychrysus*, on rice 1951
- C. suppressalis*, on rice 1951, 2803, 4845, 7254
- Chortoicetes terminifera* 5987
- Chrysomela scripta* 7433
- Cicinnus callipius*, on *Anacardium occidentale* 4892
- Cnaphalocrocis medinalis* 3290-3291
 - on rice 827
- Coccidohystrix insolita*, on eggplant 6178
- Coleoptera 2827
- Cosmopolites sordidus* 684
 - on banana 2904
- Costelytra zealandica* 3190-3191
- Crocidolomia binotalis* 6147
- Cryphalus fulvus*, on *Pinus* 1519
- Cydia pomonella*, on apple 6110
- Dalaca noctuides*, in pastures 4881
- Dalbulus maidis*, on maize 4261
- Delia antiqua*, on onion 4558
- D. brassicae*, on cauliflower 5598
- D. platura* 4557
- Diabrotica virgifera* 2292
- Diaphorina citri*, on orange 341
- Diatraea grandiosella*, on maize 703
- Diptera 2827
- Drosicha mangiferae*, on mango 1436
- Elasmopalpus lignosellus*, on groundnut 4342
- Empoasca fabae*, on *Phaseolus vulgaris* 2927
- Eurygaster* spp. 6671
- E. integriceps* 273
- Heliothis zea*, on maize 703

Diazinon contd.

against contd.

- Heteronychus arator* 6958
Hylemya antiqua, on onion 2652, 3948
H. brassicae
 on brussels sprouts 2651
 on cabbage 351
 on horse-radish 3308
H. floralis, on horse-radish 3308
H. platura, on *Phaseolus vulgaris* 3951
Hylobius pales 1664
Hyperodes bonariensis, on *Lolium* 3186
Keiferia lycopersicella, on tomato 882
Laodelphax striatella, on rice 835, 2188
Lasioderma serricorne 1547
 Lepidoptera 2827
 on sugar-cane 816
Leptinotarsa decemlineata, on potato 5629
Lipaphis erysimi, on mustard 4545
Liriomyza sativae, on tomato 3692
Lobesia botrana, on grapevine 315
Lymantria dispar 3903
Mamestra brassicae, on sugar-beet 4960
Melolontha melolontha 2281
Musca domestica 5773
Nephotettix spp., on rice 1951
N. cincticeps, on rice 2803
 Noctuidae 152
Oncopera spp., in pastures 2832
Orseolia oryzae, on rice 1950, 3596
Ostrinia nubilalis, on maize 2795, 5505
Pachydiplosis oryzae, on rice 536, 714
Panaphis juglandis, on walnut 1413
Parlatoria oleae, on olive 5587
Paropta paradoxus, on grapevine 4890
Parthenolecanium corni, on red currant 5546
Pemphigus bursarius 2912
P. fuscicornis, on beet 5613
Penthaleus major, on oats 2784
 pests of lucerne 2842
 pests of rice 536, 828
Pieris rapae, on cabbage 6965
Plusia argentifera 6957
Plutella xylostella, on cauliflower 2044
Prionus imbricornis, on pecan 7294
Pseudococcus spp., on grapevine 3183
Psila rosae, on carrot 2957, 3189, 3946
Quadraspidiotus perniciosus, on apple 328
Rhyacionia frustrana, on *Pinus* 4413
Rhyzopertha dominica 6395
 rice stem borers, on rice 714
Saissetia oleae, on olive 5587
Scapteriscus spp. 1868
Schistocerca americana 1253

Diazinon contd.

against contd.

- Schoenobius dodatellus*, on rice 1951
Scirpophaga incertulas, on rice 1950-1951
Selenothrips rubrocinctus, on cacao 1491
Sesamia inferens, on rice 1951
Sitotroga cerealella 1675
Sogatella furcifera, on rice 4273
Sphaeraspis salisburyensis, on *Pennisetum clandestinum* 813
Sphenophorus callosus, on maize 4264
Spodoptera frugiperda, on maize 703, 4838
Strepsicrates rorthia 2034
Syringopais temperatella, on barley 2786
Tetranychus neocaledonicus, on eggplant 2975
Thrips tabaci
 on cucumber 973
 on tobacco 7399
Tipula paludosa 2824
Tribolium castaneum 1037, 5046
Tryporyza innotata, on rice 1950
 in *Amaranthus*, residues of 4331
 in *Apanteles glomeratus*, toxicity of 6965
 in *Apanteles plutellae*, toxicity of 3651
 in apple, residues of 6110
 in apple orchards, effects on mites of 2011
 in beet, effects on sugar content of 5613
 in carrot, residues of 2957
 in *Channa punctatus*, effects on serum proteins of 1055
 in Chinese cabbage, residues of 4331
 in *Coccinella septempunctata*, toxicity of 6967
 in crop plants
 metabolism of 5208
 residues of 5208
 in eggplant, residues of 4330
 in *Harpalus rufipes*, toxicity of 802
 in horse-radish, residues of 3308
 in leek, residues of 4331
 in *Lixophaga diatraeae*, toxicity of 6026
 in lucerne, residues of 1705
 in *Lymantria dispar*, metabolism of 6507
 in maize, residues of 703
 in mouse, metabolism of 1955
 in *Musca domestica*, metabolism of 1955
 in *Nephotettix cincticeps*, effects on probing frequency of 4271
 in onion, effects on germination of 3948
 in potato, determination of 1824
 in *Pterostichus*, toxicity of 802
 in rice, metabolism of 1955
 in rice-fields, persistence of 4845
 in soil
 degradation of 5208
 residues of 2957, 5208

Diazinon *contd.*

- in spinach, residues of 4331
- in stored wheat, metabolism of 3786
- in sugar-beet, effects on germination of 2663
- in vertebrates, metabolism of 5202
- in *Vigna unguiculata*, residues of 4330
- insecticidal activity of 1957
- resistance to, in
 - Amblyseius fallacis*, in Michigan 6025
 - Chilo suppressalis*, in South Korea 3279
 - Drosophila melanogaster*, in West Germany 1645
 - Schizaphis graminum*, in USA 1938
 - Wiseana cervinata*, testing for 2280
 - W. despecta*, testing for 2280
- synergists for 3903
 - 1,3-dichloro-2-[(2-propynyloxy)methyl]benzene as 6507
 - piperonyl butoxide as 6507
- with *Bacillus thuringiensis*, against, *Keiferia lycopersicella*, on tomato 882
- with chlordimeform, against, *Heliothis virescens* 6399
- with dimetilan, against, *Myzus persicae*, on peach 7321
- with isopropalin, and 1,2-dibromoethane, against, Elateridae, on tobacco 7398
- with methomyl, against, *Keiferia lycopersicella*, on tomato 882
- with oil emulsion
 - against *Epitrimerus pyri*, on pear 1424
 - Parlatoria oleae*, on olive 5587
 - pests of plum 1640
 - Quadraspidiotus perniciosus*, on plum 1640
- with propoxur, against, *Nephotettix cincticeps* 1656
- Diazinon 6-aldehyde** (see Phosphorothioic acid, *O,O*-diethyl *O*[(6-formyl-2-(1-methylethyl)-4-pyrimidinyl] ester)
- Diazinon 6-carboxylic acid** (see 4-Pyrimidinecarboxylic acid, 6-[(diethoxyphosphinothioyl)oxy]-2-(1-methylethyl)-)
- Diazinon, dehydro-** (see Phosphorothioic acid, *O,O*-diethyl *O*[(6-methyl-2-(1-methylethenyl)-4-pyrimidinyl] ester)
- Diazinon, hydroxy-** (see Phosphorothioic acid, *O,O*-diethyl *O*[(2-(1-hydroxy-1-methylethyl)-6-methyl-4-pyrimidinyl] ester)
- Diazinon, isohydroxy-** (see Phosphorothioic acid, *O,O*-diethyl *O*[(6-(hydroxymethyl)-2-(1-methylethyl)-4-pyrimidinyl] ester)
- Diazinon oxon** (see Diazoxon)
- Diazol** (see Diazinon)

- Diazoxon** (diethyl 6-methyl-2-(1-methylethyl)-4-pyrimidinyl phosphate) adopted as common name in *RAE*, p. 5
- in *Amaranthus*, diazinon metabolite 4331
- in Chinese cabbage, diazinon metabolite 4331
- in leek, diazinon metabolite 4331
- in *Lymantria dispar*, diazinon metabolite 6507
- in spinach, diazinon metabolite 4331
- in vertebrates, diazinon metabolite 5202
- Dibrachys affinis**
 - in Bulgaria 7196
 - insecticides in, toxicity of 7196
 - parasitising *Cydia pomonella* and biological control using 7196
 - in Bulgaria 7196
- Dibrachys cavus**
 - hyperparasitising *Lymantria dispar*, in Ukraine 6002
 - Plutella xylostella*, in Byelorussia 6767
 - in Bulgaria 7196
 - in USSR 6002, 6107, 6767, 6818
 - parasitising *Apanteles liparidis*, in Ukraine 6002
 - A. melanoscclus*, in Ukraine 6002
 - A. porthetriae*, in Ukraine 6002
 - Cydia pomonella* in Bulgaria 7196
 - in Ukraine 6107
 - Diadegma fenestralis*, in Byelorussia 6767
 - Yponomeuta rorellus*, in Ukraine 6818
- Dibrom** (see Naled)
- Dicarbate** (see Metalkamate)
- Dichanthium annulatum**, *Schizotetranychus andropogoni* on 5513
- Dichlofenthion** (*O*-(2,4-dichlorophenyl) *O,O*-diethyl phosphorothioate)
 - against *Hylemya platura*, on *Phaseolus vulgaris* 2653
 - Psila rosae*, on carrot 2957
 - in carrot, residues of 2957
 - in soil, residues of 2957
 - resistance to, in, *Hylemya brassicae*, in France 4518
 - with thiram
 - against *Delia platura* 6773
 - Hylemya platura*, on *Phaseolus vulgaris* 2653
- Dichlofluaniid** (1,1-dichloro-*N*-[(dimethylamino)sulfonyl]-1-fluoro-*N*-phenylmethanesulfenamide)
 - against, *Tetranychus urticae*, on *Phaseolus* 983
 - in apple orchards, effects on mites of 2013

Dichlofluanid *contd.*

- in *Phygadeuon trichops*, effects on fecundity of 5209
- in *Trichogramma cacoeciae*, effects of 1603

Dichlorprop (2-(2,4-dichlorophenoxy)propanoic acid)

- with ioxynil, in *Phygadeuon trichops*, effects on fecundity of 5209

Dichlorvos (2,2-dichloroethenyl dimethyl phosphate)

against

- Amrasca biguttula*, on okra 6760
- Anthonomus grandis*, on cotton 2994
- Aphanostigma iaksuiense* 2017
- A. piri*, on pear 2018
- Aphis solanella*, on globe artichoke 1438
- Athalia lugens*, on radish 356
- Bemisia tabaci* 392
- Brachycaudus cardui*, on globe artichoke 1438
- Capitophorus elaeagni*, on globe artichoke 1438
- Ceratitis capitata* 2568
- Cnaphalocrocis medinalis*, on rice 827
- Cryptoblabes gnidiella*, on sorghum 6068
- Dacus cucurbitae* 2568
- D. dorsalis* 2568
- Dysaphis cynarae*, on globe artichoke 1438
- Ephestia calidella*, in stored carobs 501
- E. cautella*
 - in raisins 6871
 - in stored carobs 501
- E. elutella* 2170
 - in raisins 6871
- E. figulilella*, in stored carobs 501
- Eupterote canaraica*, on coffee 3019
- Graphognathus* spp., in soy beans 1692
- Hylemya* spp., on radish 355
- Lasioderma serricorne* 1547
 - in stored carobs 501
 - in stored tobacco 6241
- Leptinotarsa decemlineata*, on potato 5629
- Lipaphis erysimi* 2294
- Lymantria dispar*, on *Quercus* 1632
- L. monacha*, on *Pinus* 2266
- Myzus humuli*, on hop 226
- Nilaparvata lugens*, on rice 4851
- Operophtera brumata*, on apple 2875
- Oryzaephilus surinamensis* 449
- Parthenolecanium corni*, on red currant 5546
 - pests of cabbage 4932
 - pests of mushroom 2740
 - pests of stored products 3089, 6283
 - pests of stored wheat 6252

Dichlorvos *contd.*

against *contd.*

- Phyllotreta* spp., on radish 355
- Plodia interpunctella* 2166
 - in raisins 6871
- Plusia argentifera* 6957
- Plutella xylostella*, on cauliflower 2044
- Pristiphora abietina*, on *Picea abies* 1525
- Rhynchophorus ferrugineus*, on coconut 6089
- Rhyzopertha dominica* 1669, 6395
- Sitophilus granarius* 449
- S. oryzae* 449, 1025
 - in stored maize 705
- Tetranychus cucurbitacearum*
 - on sesame 4355
 - on sunflower 4355
- T. urticae* 7520
- Trialeurodes vaporariorum* 490
- Tribolium castaneum* 449, 1025, 1037, 5046
- T. confusum* 449
- Udea ferrugalis* 3510, 5591
- Zeiraphera diniana*, on *Picea abies* 1525
- formulations of, thermal decomposition of 1628
- in *Achaea janata*, increasing excretion and water loss 3893
- in *Apanteles plutellae*, toxicity of 3651
- in apple orchards, effects on mites of 2011
- in barley, effects on cytogenetics of 4573
- in *Bracon hebetor*, toxicity of 501
- in carp, toxicity of 3325
- in cotton, residues of 3917
- in foodstuffs, determination of 3100, 5056
- in *Leptinotarsa decemlineata*, trichlorophen metabolite 5875
- in *Lymantria dispar*, metabolism of 1115
- in *Menochilus sexmaculatus*, toxicity of 2294
- in okra, persistence of 6760
- in *Phytoseiulus persimilis*, toxicity of 7673
- in raisins, residues of 6871
- in *Schistocerca americana*, inhibition of JH hydrolysis by 3523
- in *Sitophilus oryzae*, effects of diet on susceptibility to 1025
- in slow-release units, measuring output of 2548
- in soil, degradation of 3923
- in soy beans, residues of 1692
- in stored grain, determination of 5056
- in *Thaumatomyia*, toxicity of 6018
- in tomato, residues of 3917
- in *Tribolium castaneum*, effects of diet on susceptibility to 1025
- in *Trifolium*, residues of 3917

Dichlorvos *contd.*

in *Xanthogramma scutellare*, toxicity of 2294

resistance to, in

Rhyzopertha dominica

in Australia 6252

in New South Wales 6288

Sitophilus oryzae, in Australia 6252

with γ -BHC, against, *Rhyzopertha dominica* 1669

with carbaryl, against, *Rhyzopertha dominica* 1669

with endosulfan, against, *Aceria phloeocoptes*, on plum 848

with ethyne, against, termites 6645

with trichlorphon, against, *Rhyzopertha dominica* 1669

Dichocrocis punctiferalis

amino acids in 4076

biology of 2862

control of, insecticides for 885

in Australia 2862

in India 885, 4277

on *Macadamia*, in Queensland 2862

on *Ricinus communis* 4076

in Tamil Nadu 885

on *Sorghum*, in India 4277

Dichomeris delotella (see *Telephila*)**dichotomus, Xylotrupes****Dichroplus, Entomophthora grylli** in, in Chile 5072**dichroum, Apion****Dicladispa armigera**

control of 6690

in India 6690

on rice, in India 6690

Dicofol (4-chloro- α -(4-chlorophenyl)- α -

(trifluoromethyl)benzenemethanol)

adjuvants for, Triton B-1956 as 1424 against

Acarapis woodi 2702

Aceria sheldoni, on *Citrus* 6745

Brevipalpus obovatus 3725

B. phoenicis 6805

Bryobia rubrioculus 320

on apple 847

Calacarus citrifolii, on *Citrus* 5945

Cecidophyopsis ribis, on black currant 1395

Cenopalpus lanceolatisetae 3620

C. pulcher 3620

Eotetranychus pruni, on grape vine 1313

Epitrimerus pyri, on pear 1424

Eriophyes similis, on plum 6737

E. vitis, on grape vine 313

Eutetranychus orientalis, on eggplant 3693

Oligonychus hondoensis, on

Cryptomeria japonica 3739

O. indicus, on sorghum 2819

Panonychus citri, on *Citrus* 5945

Dicofol *contd.*

against *contd.*

Panonychus *contd.*

P. ulmi 320

on apple 847

on grapevine 7292

on peach 3276

Phytoptus avellanae, on hazel 1412

Polyphagotarsonemus latus, on

Capsicum 978

Pyemotes ventricosus 7522

Tarsonemus pallidus, on strawberry 5544

Tetranychidae 4746

Tetranychus spp., on cotton 2085

T. arabicus

on cotton 891

on fig 2891

T. cinnabarinus 3274

T. cucurbitacearum

on cotton 891

on eggplant 3693

on *Phaseolus* 3662

on sesame 4355

on sunflower 4355

T. neocaledonicus, on okra 4920

T. truncatus, on *Phaseolus vulgaris* 6417

T. turkestan 7666

T. urticae 514, 1644, 4075, 6602, 7520

on bean 515

on *Capsicum* 985, 1027

on hop 1337

on violet 908

T. viennensis, on apple 847

in *Amblyseius longispinosus*, toxicity of 6417

in *Anthocoris nemorum*, toxicity of 5436

in *Anystis baccarum*, toxicity of 6418

in apple orchards

effects on mites of 2011

residues of 2315

in *Citrus*, residues of 5945

in cucumber, residues of 5805

in *Culex pipiens*

bioassay for 7662

toxicity of 7660

in *Daphnia magna*

bioassay for 7662

toxicity of 7660

in pear, residues of 7662

in *Phytoseiulus persimilis*, toxicity of 3655, 7666

in *Sitotroga cerealella* eggs, determination 128

in *Stethorus loi*, toxicity of 6417

in tomato, residues of 5803

resistance to, in

Panonychus citri 3273

Tetranychus arabicus, in Egypt 3001

T. cucurbitacearum, in Egypt 3001

T. urticae, in Netherlands 505, 4546

Dicofol contd.

- with DDT, and malathion
 - in *Culex pipiens*, toxicity of 7660
 - in *Daphnia magna*, toxicity of 7660
 - in pear, residues of 7662

with dimethoate, against, *Tetranychus cinnabarinus*, on cotton 3274

with dinocap

against

Brevipalpus obovatus 3725

Panonychus ulmi 497

with zineb, against, *Tetranychus turkestanii* 7666

Diconocoris nepalensis

in Thailand 1200

on *Piper nigrum*, in Thailand 1200

Dicranotropis hamata, cereal tillering disease, causal agent in, transmission of 3803

Dicranula vinula (see *Cerura*)

Dicrotophos ((E)-3-(dimethylamino)-1-methyl-3-oxo-1-propenyl dimethyl phosphate)

against

Antestipes clymeneis, on coffee 3017

aphids, on cacao 1492

Aphis fabae 5193

on *Vicia faba* 3285

A. gossypii, on cotton 1484

Atherigona soccata, on sorghum 837

Bagrada hilaris, on *Pennisetum*

typhoides 4269

Bemisia tabaci, on bean 4939

Bephrata maculicollis, on soursop 4997

bollworms, on cotton 7391

Cephaloleia spp., on oil palm 7289

Ceratitidis capitata 3941

Cicadellidae, on cotton 7391

Coccus viridis, on coffee 403, 6799-6800

Dulinius unicolor, on coffee 3017

Elasmopalpus lignosellus, on maize 706

Eurygaster spp. 6671

E. integriceps, on wheat 7663

Heliothis armigera, on maize 824

Hylobius pales 1664

mealybugs, on cacao 1492

Myllocerus undecimpustulatus, on cotton 1484

Mythimna unipuncta 6663

Myzus persicae 1670

on *Gerbera jamesonii* 1501

Nephotettix spp., on rice 1951

Nilaparvata lugens, on rice 1964

pests of cotton 2092, 3008, 4376

Psyllidae, on cacao 1492

Salina celebensis, on cacao 903

Sundapteryx biguttula, on eggplant 1477

Sylepta derogata, on cotton 4980

Dicrotophos contd.

against contd.

Tetranychus urticae

on *Capsicum* 985, 1027

on *Gerbera jamesonii* 1501

thrips

on cacao 1492

on tea 4991

Tirathaba mundella, on oil palm 1991

formulations of, with charcoal 3924

in *Aedes aegypti*, bioassay for 5381

in hay, residues of 7663

in *Megachile pacifica*, toxicity of 1662

in wheat, residues of 7663

with endrin

against

Earias insulana, on cotton 4365

Pectinophora gossypiella, on cotton 4365

Spodoptera littoralis 5179

Syringopsis temperatella, on barley 2786

in *Spodoptera littoralis*, effects of temperature on susceptibility to 5179

Dictyla nassata

biology of 7212

in USSR 7212

on *Trichodesma incanum*, in Uzbekistan 7212

Dictyna

in citrus groves, in Florida 4186

preying on

Aleyrodidae, in Florida 4186

Drosophila spp., in Florida 4186

Dictyopharidae, parasitised by, Dryinidae 6012

Dictyoploca japonica

control of, *Bacillus thuringiensis* for 7431

cytoplasmic polyhedrosis virus in, infectivity of 2192

Hexameris albicans in, in Maritime Territory 7431

in USSR 7431

Microsporidia in, in Maritime Territory 7431

nuclear polyhedrosis virus in

in Maritime Territory 7431

maturation sequence of 3148

on hazel, in Maritime Territory 7431

Dictyoptera, in Turkey 4141

dictyospermi, *Chrysomphalus*

Dicumarol (see 2 H-1-Benzopyran-2-one, 3,3'-methylenebis[4-hydroxy-])

Dicyphus cucurbitaceus

taxonomy of

characters distinguishing *D. rhododendri* and 6553

Dicyphus rhododendri misidentified as, in Ohio 6553

Dicyphus eckerleini

- in Bulgaria 5650
- insecticides in, toxicity of 3294
- preying on
 - aphids 3294

Thrips tabaci, in Bulgaria 5650

Dicyphus rhododendri

- in UK 6553
- in USA 6553
- on *Kalmia latifolia*, in Pennsylvania 6553
- on *Rhododendron*, in England 6553
- on *Rhododendron maximum*, in Pennsylvania 6553
- preying on, *Masonaphis* spp., in England 6553
- taxonomy of
 - characters distinguishing *D. cucurbitaceus* and 6553
 - misidentified as *D. cucurbitaceus*, in Ohio 6553

Didactylomyia, taxonomy of 1104

Didesmococcus unifasciatus

- biology of 4895
- in Lebanon 4895
- on almond, in Lebanon 4895

Didimac (see DDT)

didymator, Hyposoter
(*Anilastus*)

Didymuria violescens

- chromosomal speciation in 4682
- in Australia 4682

Dieldrin ((1 α ,2 β ,2 α ,3 β ,6 β ,6 α ,7 β ,7 α)-3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-2,7:3,6-dimethanonaphth[2,3- δ]oxirene)
against

- Aegorhinus phaleratus*, on peach 686
- Aeneolamia varia* 1365
- Agriotes* spp., on wheat 1060
- Amnemos quadrituberculatus*, on pasture legumes 6704
- Atta opaciceps* 4768
- Chaetanaphothrips signipennis*, on banana 2902
- Cosmopolites sordidus*, on banana 343, 2902, 2904
- Delia* spp., on *Phaseolus vulgaris* 5604
- D. brassicae* 2041
- D. coarctata*, on wheat 7586
- Heteronychus arator* 6958
- Hylemya antiqua*, on onion 3948
- H. coarctata*, on wheat 1060
- H. platura*
 - on onion 3948
 - on *Phaseolus* 360
 - on *Phaseolus vulgaris* 3951
- Hypopholis sommeri*, on sugar-cane 265
- locusts 1256
- Messor aegyptiacus* 3532

Dieldrin contd.

against *contd.*

Mylocerus undecimpustulatus

on cotton 3713

on eggplant 3713

Naupactus xanthographus, on peach 687

Nilaparvata lugens 1959

Otiorynchus sulcatus 1739

Papuana inermis, on *Colocasia esculenta* 1472

Psila rosae, on carrot 3189

Salina celebensis, on cacao 903

Schistocerca americana 1260

Schizonycha affinis, on sugar-cane 265

Temnoschoita spp. 1385

termites

in wood 4719

on conifers 3560

Xanthopastis timais, on Amaryllidaceae 2112

Xylosandrus compactus, on avocado 332

as model trace contaminant 5778

determination of 6560

in *Anas platyrhynchos*, residues of 2301

in *Anas rubripes*, residues of 2301

in aquatic animals, residues of 7671

in *Aquila chrysaetus*, residues of 3324

in birds, residues of 6979

in carpets, residues of 4578

in cattle

residues of 1689, 5200

effects of diet on 3295

in *Crassostrea commercialis*, residues of 5198

in crop plants

metabolism of 5208

residues of 5208

in duck, residues of 7669

in fish, residues of 2302, 7670

in fowl eggs, residues of 3321

in green algae, metabolism of 5778

in groundnut, residues of 1048

in *Gryllus assimilis*, sublethal effects of 5433

in *Haliaeetus leucocephalus*, residues of 6410

in HeLa cells, effects of 2309

in human milk, residues of 4562

in *Ictalurus punctatus*, residues of 7671

in lake sediments, residues of 2302

in littoral fauna, residues of 5199

in maize, aldrin product 1703

in mammals, residues of 3335

in man, residues of 2298, 3320, 5814, 6978

in marshland, residues of 4577

in milk, residues of 1689, 3315

in mouse intestine, inhibiting active transport of glucose 1686

Dieldrin *contd.*

- in *Musca domestica*, enzyme induction by 1655
- in *Oxyura jamaicensis*, residues of 7668
- in *Pelecanus occidentalis*, residues of 2303
- in *Picea abies*, persistence of 1526
- in potato, aldrin metabolite 7677
- in predators of small mammals, residues of 1060
- in rice-fields, residues of 4577
- in river sediments, residues of 2302
- in rivers, residues of 5787, 7671
- in *Schistocerca americana*
 - effects on nerve function of 2290
 - effects on nervous system of 4677
- in sediment, residues of 7680
- in small mammals, residues of 1060
- in soil
 - aldrin product 1703
 - degradation of 4574, 5208
 - metabolism of 5778
 - residues of 2041, 5146, 5208, 5771
- in *Sturnus vulgaris*, residues of 6402
- in tobacco, residues of 2305, 5212
- in tomato, residues of 5803
- in water
 - effects of temperature on solubility of 4528
 - residues of 6989
- in watersheds, residues of 5212
- in wheat, aldrin product 1703
- in wool, residues of 4578
- in *Xenopus laevis*, effects on sense organs of 5791
- in *Zenaidura macroura*, residues of 2304
- medical and toxicological aspects of 7644
- resistance to, in
 - Cosmopolites sordidus*
 - in Ecuador 684
 - in New South Wales 2903
 - Delia brassicae*, in Alberta 2041
 - Drosophila melanogaster*, in West Germany 1645
 - Hylemya brassicae*, in France 4518
 - Nilaparvata lugens*, in Saga Prefecture 1959
 - Otiorynchus sulcatus*, in Ohio 1739
 - Popillia japonica*
 - in New York 4290
 - in Ohio 4284
 - use of, in Turkey, restrictions on 2965
 - with dimethylbenzene, against, *Tinea pellionella*, in textiles 5701
 - with fertilizers 6704

Dielmoth (see Dieldrin, with dimethylbenzene)

diemenalis, Lamprosema

Dienochlor (1,1',2,2',3,3',4,4',5,5'-decachlorobi-2,4-cyclopentadien-1-yl)

Dienochlor *contd.*

- against
 - Tetranychus urticae* 3205
 - on *Calla* 985, 1027
 - on *Capsicum* 985, 1027
 - on rose 4546
- Diethichinalphion** (see Quinalphos)
- Diethion** (see Ethion)
- Diethylstilbestrol** (see Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E-))
- diffentialis, Melanoplus**
- difficilis, Frankliniella**
- Diflubenzuron** (N-[(4-chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide)
 - adopted as common name in *RAE*, p. 5
 - against
 - Agelastica alni*, on elder 3960
 - Anticarsia gemmatilis*, on soy bean 2934
 - Delia platura*, on *Phaseolus lunatus* 6394
 - Earias insulana*, on cotton 4365
 - Ectropis bistortata* 5294
 - Epilachna varivestis*
 - on *Phaseolus vulgaris* 2284
 - on soy bean 2934
 - Eurydema oleraceum*, on rape 2285
 - Heliothis armigera* 7592
 - Hyphantria cunea* 1671
 - Lambdina fiscellaria*, on *Tsuga heterophylla* 4555
 - Lasioderma serricornis* 5768
 - Lepidoptera, on apple 7617
 - Leptinotarsa decemlineata* 2284
 - on potato 3960
 - Lymantria dispar* 1671, 5294
 - on apple 4566
 - on *Quercus* 3070
 - L. monacha* 5294
 - on *Pinus* 3070
 - Malacosoma dissitria*, on *Populus* 6960
 - M. neustria* 1671
 - Mamestra brassicae*, on brussels sprouts 3960
 - Neodiprion sertifer* 5294
 - Operophtera brumata*, on apple 6725
 - Oryzaephilus surinamensis*, in stored wheat 5768
 - Pectinophora gossypiella* 7593
 - on cotton 4365
 - Pieris brassicae*, on brussels sprouts 3960
 - Plathypena scabra*, on soy bean 2934
 - Plusia* spp., on soy bean 2934
 - Pseudoplusia includens*, on soy bean 2934
 - Rhyacionia frustrana*, on *Pinus* 4413
 - Sitophilus granarius*, in stored wheat 5768
 - S. oryzae*, in stored wheat 5768
 - Spodoptera littoralis* 1666, 7570

- Diflubenzuron** *contd.*
 against *contd.*
Spodoptera littoralis *contd.*
 on cotton 4365
Stegobium paniceum 5768
Tribolium castaneum, in stored wheat 5768
Yponomeuta euonymellus 5294
Y. padellus, on *Euonymus* 3960
 in *Apanteles melanoscelus*, toxicity of 4566
 in apple, persistence of 6725
 in *Choristoneura fumiferana*, effects on cuticle development of 3046
 in locusts, inhibiting chitin deposition 2283
 in *Nomuraea rileyi*, not inhibiting growth 3823
 in *Plodia interpunctella*, not inhibiting chitin synthesis 6294
 in soy-bean fields, non-target effects of 2934
 in *Tetranychus urticae*, inactive 2284
 sterilant for, *Anthonomus grandis* 2998
 with chlordimeform, against, *Heliothis virescens* 6399
- Difolatan** (see Captafol)
- Digitalis lanata**
Empoasca flavescens on, in Poland 1335
E. pteridis on, in Poland 1335
- Digitalaria decumbens**
Aeneolamia contigua on
 damage caused by 1363
 in Mexico 1363
A. occidentalis on, in Mexico 4249
 pests of, in Puerto Rico 1975
Prosapia simulans on, in Mexico 4249
Schizaphis spp. on, in Queensland 298
- Digitalaria diversinervis**, *Sipha flava* on,
 resistance to 4516
- Digitalaria friesii**, *Sipha flava* on, resistance to 4516
- Digitalaria longiflora**, *Sipha flava* on,
 resistance to 4516
- Digitalaria pentzii**, *Schizaphis* spp. on, in
 Queensland 298
- Digitalaria valida**
Aeneolamia contigua on
 damage caused by 1363
 in Mexico 1363
- Diglyphus**
 parasitising
 Liriomyza spp., in Egypt 4777
 Phytomyza horticola, in Egypt 4777
- Diglyphus begini**
 in Canada 6175
 parasitising, *Liriomyza sativae*, in Ontario 6175
- Diglyphus intermedius**
 in USA 4924
 parasitising, *Liriomyza trifolii*, in Florida 4924
- dignoides**, *Telenomus*
dignus, *Apanteles*
dignus, *Telenomus*
digoneutis, *Peristenus*
dilacerata, *Tephritis*
dilaticollis, *Tanymecus*
Dill (*Anethum graveolens*)
 extracts of
 insecticidal activity of 1649
 synergistic activity of 1649
- Dilor** (see 4,7-Methano-1*H*-indene,
 2,4,5,6,7,8,8-heptachloro-2,3,3a,4,7,7a-
 hexahydro-)
- diluta**, *Hispoleptis*
diluta, *Xylotachina*
dilutata, *Epirrita* (*Oporinia*)
- Dimatif** (see Phosphinothioic amide, *P,P*-
 bis(1-aziridinyl)-)
- DIMBOA** (see 2*H*-1,4-Benzoxazin-3(4*H*)-
 one, 2,4-dihydroxy-7-methoxy-)
- Dimecron** (see Phosphamidon)
- Dimefox** (tetramethylphosphorodiamidic
 fluoride)
 against, *Myzus humuli*, on hop 226,
 3943
 in soil, adsorption of 3934
- 1,4:5,8-Dimethanonaphthalene-2,3-diol**,
 5,6,7,8,9,9-hexachloro-1,2,3,4,4a,5,8,8a-
 octahydro-, (1 α ,2 α ,3 β ,4 α ,4a β ,5 α ,8 α ,8a β -),
 in *Xenopus laevis*, effects on sense
 organs of 5791
- 1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-
 hexachloro-1,4,4a,5,8,8a-hexahydro-**,
 (1 α ,4 α ,4a β ,5 α ,8 α ,8a β)- (see Aldrin)
- 2,7:3,6-Dimethanonaphth[2,3-*b*]oxirene**,
 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-
 octahydro-
 (1a,2 β ,2a α ,3 β ,6 β ,6a α ,7 β ,7a α)- (see
 Dieldrin)
 (1a,2 β ,2a β ,3 α ,6 α ,6a β ,7 β ,7a α)- (see
 Endrin)
- Dimethirimol** (5-butyl-2-(dimethylamino)-6-
 methyl-4-pyrimidinol)
 in *Phytoseiulus persimilis*, toxicity of
 3655
- Dimethoate** (*O,O*-dimethyl *S*-[2-
 (methylamino)-2-oxoethyl]
 phosphorodithioate)
 against
 Acyrtosiphon dirhodum, on wheat 688
 A. pisum, on lucerne 6707
 Adelges nordmannianae, on *Picea* 5676
 Adelphocoris lineolatus, on lucerne 6081, 6707
 Agrotis ipsilon, on lettuce 4923
 Amaurosoma armillatum, on *Phleum pratense* 4876
 A. flavipes, on *Phleum pratense* 4876
 Amrasca biguttula, on cotton 1484
 A. devastans, on okra 854, 4929

Dimethoate contd.

against contd.

- Anomis flava*, on okra 4928
Antigastra catalaunalis 2079
Aphanostigma iaksuiense 2017
 aphids
 on apple 325
 on lettuce 6759
 on potato 7375
 on tobacco 7399
 on *Vicia faba* 5602
Aphis spp., on *Vigna unguiculata* 2053
A. craccivora, on groundnut 1459
A. fabae
 on beet 5610
 on sugar-beet 2950, 5610, 5620
 on *Vicia faba* 3201, 4936
A. gossypii 4934
 on cotton 1484, 2995, 4361, 5643
 on cucumber 5620
 on okra 854
A. pomi, on apple 1418
Athalia lugens, on radish 356
Bagrada hilaris 7339
Bemisia tabaci 392
 on bean 4939
 on soy bean 1458
 on tomato 7478
Beprhra maculicollis, on soursop 4997
Brevicoryne brassicae 7339
 on cabbage 7340
Brevipalpus phoenicis 6805
Bruchophagus roddi, on lucerne 6084
Bryobia praetiosa, on pear 7318
Caliothrips fasciatus, on cotton 4361
Camnula pellucida 1251
Cavariella aegopodii, on carrot 876
Cerataphis variabilis, on coconut 2844
Ceratitidis capitata 1040, 3941
 on *Citrus* 6746
Cerotoma trifurcata, on soy bean 4341
Chaetocnema concinna, on sugar-beet 4962
Chrysomela scripta 7433
Chrysomphalus aonidum, on orange 5111
Cnaphalocrocis medinalis 3291
Coccidohystrix insolita, on eggplant 6178
Coccus viridis, on coffee 2106
Contarinia sorghicola, on sorghum 5518
Cryphalus fulvus, on *Pinus* 1519
Cryptorhynchus lapathi, on *Populus* 2144
Cydia nigricana 1676
 on pea 362, 5605
C. pomonella, on apple 6020
Delia brassicae, on cauliflower 5598
Diaphorina citri, on orange 341

Dimethoate contd.

against contd.

- Drosicha mangiferae*, on mango 1436
Duplaspidotus claviger, on camellia 6804
Dysaphis devecta, on apple 6106
Earias spp., on okra 4929
Elasmopalpus lignosellus, on soy bean 2054
Empoasca fabae, on *Phaseolus vulgaris* 2927
Eotetranychus pruni, on grape vine 313
Euschistus heros, on soy bean 367
Eutetranychus orientalis, on eggplant 3693
Feltia subterranea, on lettuce 4923
Fiorinia theae, on *Camellia japonica* 6203
Galleria mellonella 517
Glyphipterix simplicicella, on *Festuca* 6700
Henosepilachna vigintioctopunctata 4552
Hylemya brassicae, on *Brassica* 3947
Hylobius pales 1664
Idioscopus clypealis, on mango 3644
Lachnosterna nilgiria, on coffee 2105
Lipaphis erysimi 2294, 7190, 7339
 on mustard 4545
Liriomyza bryoniae, on tomato 7583
L. trifolii
 on celery 4922–4923
 on lettuce 4923
Lobesia botrana, on grapevine 6713
Longitarsus nigripennis, on *Piper nigrum* 1928
Lygus hesperus, on *Phaseolus lunatus* 1452
L. rugulipennis, on sugar-beet 4962
Macrosiphum avenae, on wheat 4252
M. rosae, on rose 1499, 3024
Maruca testulalis, on *Vigna unguiculata* 364
Melanoplus sanguinipes 1251
Monochamus galloprovincialis, on *Pinus* 7423
Myzus persicae 1670
 on beet 5610
 on cabbage 2282
 on *Gerbera jamesonii* 1501
 on sugar-beet 5610, 5620
 on tobacco 181, 397
 on *Vigna unguiculata* 2053
Neodiprion tsugae 520
Nephotettix spp., on rice 1951
Nezara viridula
 on *Citrus* 851
 on soy bean 367
Oscinella frit 7230
Paraleucoptera sinuella, on *Populus* 6828

Dimethoate *contd.*against *contd.**Parthenolecanium corni*, on red currant 5546*P. fletcheri*, on *Thuja* 6827*Pectinophora gossypiella* 3905*Pegomya hyoscyami*, on sugar-beet 2950*Pentalonia nigronervosa*, on banana 344

pests of cabbage 4932

pests of cotton 6188

pests of lucerne 2842, 5530, 6082

pests of orange 6139

pests of plum 1640

Phytobia cepae, on onion 379*Piesma maculatum*, on sugar-beet 4962*Piezodorus guildini*, on soy bean 367*Pinus orientalis*, on *Pinus* 5676*Pseudococcus obscurus*, on saxifrage 2111*Psila rosae*, on carrot 3947*Quadraspidiotus perniciosus*

on apple 328, 7125

on plum 1640

Rastrococcus spinosus, on mango 1035*Recurvaria nanella* 6099*Rhagoletis fausta* 4564*R. indifferens* 4564

on cherry 2886

Rhyacionia frustrana, on *Pinus radiata* 3040*Saissetia coffeae*, on *Aphelandra**squarrosa* 3729, 6802*Semiothisa clathrata*, on lucerne 6705*Sphaeraspis salisburyensis*, on*Pennisetum clandestinum* 813*Spissistilus festinus*, on soy bean 4341*Spodoptera exigua*, on celery 4923*Sundapteryx biguttula*, on eggplant 1477*Synanthedon tipuliformis*, on black currant 1396*Taeniothrips simplex* 3027

Tetranychidae 4746

on cotton 6182

Tetranychus spp., on cotton 4361*T. arabicus*, on cotton 891*T. cinnabarinus* 160

on cotton 3274

T. cucurbitacearum

on cotton 891

on eggplant 3693

on *Phaseolus* 3662*T. lombardini* 160*T. ludeni* 160*T. neocaledonicus*

on eggplant 2975, 4920

on okra 4920

T. urticae 6602Dimethoate *contd.*against *contd.**Tetranychus urticae* *contd.*on *Gerbera jamesonii* 1501

on violet 908

Thersimima ampelophaga, on

grapevine 2000

Thrips tabaci 3027

on cotton 893

on onion 380

on tobacco 181, 5651, 7399

Trialetrodes vaporariorum 490, 1694on *Phaseolus* 3937*Trioza erytraea*, on orange 340

determination of 1209

formulations of 2995

in *Achaea janata*, increasing excretion and water loss 3893in *Adonia variegata*, toxicity of 1499in *Amblyseius fallacis*, toxicity of 3902in *Amblyseius longispinosus*, toxicity of 6417in *Anystis baccarum*, toxicity of 6418in *Apanteles glomeratus*, toxicity of 6965

in aphids, effects on feeding behaviour of 5342

in *Aphis gossypii*, effects of food-plant on susceptibility to 4934in *Apis mellifera*, toxicity of 1043in *Azotobacter chroococcum*, effects on growth of 4568in *Bathyplectes curculionis*, toxicity of 4883

in bean fields, non-target effects of 4939

in cabbage, residues of 528, 7339

in cauliflower, residues of 5805, 7339

in *Channa punctatus*, effects on serum proteins of 1055

in cherry

residues of 2886, 4564

toxicity of 2886

in Chinese cabbage, pollen sterility caused by 7337

in *Chrysopa carnea*, toxicity of 1499in *Citrus*, residues of 1687

in citrus groves, non-target effects of 5111

in *Coccinella septempunctata*, toxicity of 1499, 2282, 3294, 7190

in cotton, effects on germination of 892

in cucumber, residues of 5805

in *Cyprinus carpio*, toxicity of 1696in *Dicyphus eckerleini*, toxicity of 3294

in eggplant, residues of 4330

in *Encarsia formosa*, toxicity of 1694, 7583in *Ephemera danica*, effects on hemolymph proteins of 5272in *Episyrphus balteatus*, toxicity of 1499

in honey, residues of 524

in honey bees, toxicity of 517, 2308

in *Labidura riparia*, toxicity of 160

Dimethoate contd.

- in lucerne hay, residues of 5530
- in *Macrolophus rubi*, toxicity of 3294
- in *Menochilus sexmaculatus*, toxicity of 2294
- in mouse, effects on chromosomes of 7674
- in mouse intestine, inhibiting active transport of glucose 1686
- in nectar, residues of 524
- in *Pardosa crassipalpis*, toxicity of 160
- in *Phaseolus vulgaris*, effects of 6404
- in *Phytoseiulus persimilis*, toxicity of 7583
- in plum, residues of 528
- in *Prunus cerasus*, residues of 4564
- in *Rhizobium trifolii*, effects on growth of 4568
- in *Saissetia coffeae*, effects on parasites of 3729
- in *Stethorus*, toxicity of 7185
- in *Stethorus loi*, toxicity of 6417
- in tea, residues of 5781
- in *Thaumatomyia*, toxicity of 6018
- in tobacco fields, non-target effects of 181
- in *Typhlodromus pyri*, toxicity of 3902
- in *Vigna unguiculata*, residues of 4330
- in *Xanthogramma scutellare*, toxicity of 2294
- resistance to, in
 - Amblyseius fallacis*, in Michigan 6025
 - Aonidiella aurantii*, in South Africa 6138
 - Aphis fabae* 1745
 - A. gossypii* 3289
 - Dacus oleae*, selection for 1039
 - Hylemya brassicae*, in France 4518
 - Musca domestica* 3289
 - Myzus persicae* 1745
 - genetics of 7578
 - in England 5191
 - in Poland 5120
 - in UK 7575–7576
 - stability of 606
 - Schizaphis graminum*, in USA 1938
 - Tetranychus urticae* 5185
 - and cross-resistance 504
- synergists for 3289
- with azinphos-methyl
 - against
 - Heliothis* spp., on *Physalis ixocarpa* 1475
 - Symmetrischema* spp., on *Physalis ixocarpa* 1475
- with *Bacillus thuringiensis*
 - against
 - Adelphocoris lineolatus*, on lucerne 6081
 - Cydia pomonella*, on apple 6020

Dimethoate contd.

- with γ -BHC
 - against, *Pemphigus fuscicornis*, on beet 5613
 - in beet, effects on sugar content of 5613
- with calcium arsenate, against, pests of groundnut 1461
- with carbaryl, against, *Bemisia tabaci*, on cotton 3005
- with carbaryl, and mollases, against, pests of cotton 3008
- with chlordimeform
 - against
 - Heliothis* spp., on *Physalis ixocarpa* 1475
 - H. virescens* 6399
 - Symmetrischema* spp., on *Physalis ixocarpa* 1475
- with DDT, against, *Bemisia tabaci*, on cotton 3005
- with dicofol, against, *Tetranychus cinnabarinus*, on cotton 3274
- with endosulfan
 - against
 - Agrotis ipsilon*, on lettuce 2661, 5750
 - Peridroma saucia*, on lettuce 2661
- with endrin, against, pests of groundnut 1461
- with herbicides 2950
- with maneb, against, *Aphis gossypii*, on cucumber 5620
- with naled
 - against
 - Liriomyza trifolii*
 - on celery 4923
 - on lettuce 4923
- with oil emulsion
 - against
 - aphids, on *Vicia faba* 5602
 - Parlatoria blanchardii*, on date palm 1992
- with propoxur, against, *Nephotettix cincticeps* 1656
- with thiram
 - against
 - Hylemya platura*, on *Phaseolus vulgaris* 3951
 - Tanymericus dilaticollis*, on maize 1350
- with trichlorphon
 - against
 - Cecidophyopsis ribis*, on black currant 1395
 - Cydia nigricana*, on pea 5605
 - Lacanobia oleracea* 1598
- with zineb
 - against
 - Aphis fabae*, on sugar-beet 5620
 - A. gossypii*, on cucumber 5620
 - Myzus persicae*, on sugar-beet 5620

- Dimethoate** *contd.*
 with zineb *contd.*
 against *contd.*
 pests of potato 5620
- Dimethoxon** (see Omethoate)
- Dimethyl yellow**, in phosphine indicator strips 4544
- Dimethilan** (1-[(dimethylamino)carbonyl]-5-methyl-1*H*-pyrazol-3-yl dimethylcarbamate)
 against, *Hylobius pales* 1664
 with diazinon, against, *Myzus persicae*, on peach 7321
- dimidiata**, *Lytta*
- dimidiata**, *Phanomeris*
- dimidiatus**, *Carpophilus*
- dimidiatus**, *Opius*
- Dimilin** (see Diflubenzuron)
- diminutalis**, *Nymphula*
- diminutalis**, *Sufetula*
- dimorphus**, *Pyemotes*
- Dinara combusta**, *Beauveria bassiana* in, pathogenicity of 255
- Dinarmus acutus**
 biology of 3554
 parasitising, *Bruchus brachialis* 3554
- Dinarmus basalis**, taxonomy of, *Dinarmus laticeps* as synonym of 3370
- Dinarmus laticeps**, taxonomy of, synonym of *D. basalis* 3370
- Dineutus indicus**
 in India 1044
 in rice swamps, effects of insecticides on 1044
- diniana**, *Zeiraphera*
- Dinobuton** (1-methylethyl 2-(1-methylpropyl)-4,6-dinitrophenyl carbonate)
 against
 Tetranychus urticae 980, 6602
 on *Calla* 985, 1027
 on cucumber 985, 1027
 on *Phaseolus vulgaris* 5793
 in *Trichogramma cacoeciae*, toxicity of 3910
- Dinocap** (mixture of isomers including 2-(1-methylheptyl)-4,6-dinitrophenyl 2-butenolate)
 against
 Brevipalpus obovatus 3725
 Panonychus ulmi 497
 on apple 329, 797, 2289, 5569
 pests of apple 5561
 Tetranychus turkestanii 7666
 T. urticae
 on bean 515
 on rose 6651
 Venturia inaequalis, on apple 5569
 in *Anthracorhynchus nemorum*, toxicity of 5436
 in *Anystis baccarum*, toxicity of 6418
 in apple orchards
 effects on mites of 2011, 2013
- Dinocap** *contd.*
 in apple orchards *contd.*
 non-target effects of 5560
 in *Phytoseiulus persimilis*, toxicity of 7666
 in *Trichogramma cacoeciae*, effects of 1603
 resistance to, in, *Panonychus ulmi*, in England 2289
 with dicofol
 against
 Brevipalpus obovatus 3725
 Panonychus ulmi 497
 with dodine, and monocrotophos, against, *Elasmopalpus lignosellus*, on maize 706
- Dinoderus**, in timber, imported into USSR 6319
- Dinoderus ocellaris**
 control of, insecticides for 6321
 in India 6321
 in bamboo articles, in Punjab 6321
- Dinoseb** (2-(1-methylpropyl)-4,6-dinitrophenol)
 in *Nomuraea rileyi*, toxicity of 3823
- Dinoseb-ammonium**, against, *Panonychus ulmi* 3277
- Dinosol** (see DNOC)
- Dinotiscus calcaratus** (see *D. colon*)
- Dinotiscus colon**
 in USSR 6627
 parasitising, bark beetles, in USSR 6627
- Diopsis**
 control of, insecticides for 7273
 on rice, in Nigeria 7273
- Diopsis thoracica**
 digestive system in 6455
 in Sierra Leone 833
 on rice, in Sierra Leone 833
 reproductive system in 6455
- dioryctri**, *Trichomma*
- Dioryctria**
 on *Pinus elliottii*
 damage caused by 3775
 distribution pattern of 5679
 in Florida 3775, 5679
 on *Pinus palustris*, in Georgia (USA) 2150
 on *Pinus taeda*
 damage caused by 5686
 in Georgia (USA) 5686
 seasonal abundance of 5686
 traps for 2150, 5686
- Dioryctria abietella**
 in India 5449
 in USSR 5693
 on *Pinus*, in USSR 5693
 parasitised by, *Trichomma dioryctri*, in India 5449
- Dioryctria amatella**
 in USA 2150, 5686

***Dioryctria amatella* contd.**

- on *Pinus palustris*, in Georgia (USA) 2150
- on *Pinus taeda*

damage caused by 5686
 in Georgia (USA) 5686
 seasonal abundance of 5686
 traps for 2150, 5686

Dioryctria auranticella

- in Canada 193
- parasitised by, *Apanteles petrovae*, in Canada 193

Dioryctria clarioralis

- in USA 2150, 5686
 - on *Pinus palustris*, in Georgia (USA) 2150
 - on *Pinus taeda*
- damage caused by 5686
 in Georgia (USA) 5686
 seasonal abundance of 5686
 traps for 2150, 5686

Dioryctria disclusa

- in USA 2150, 5686, 6839
 - on *Pinus palustris*, in Georgia (USA) 2150
 - on *Pinus resinosa*, in Minnesota 6839
 - on *Pinus taeda*
- damage caused by 5686
 in Georgia (USA) 5686
 seasonal abundance of 5686
 traps for 2150, 5686

Dioryctria reniculella

- in Canada 193
 - parasitised by
- Apanteles absonus*, in Canada 193
A. petrovae, in Canada 193

Dioryctria splendidella* (see *D. sylvestrella*)**Dioryctria sylvestrella***

- habitats of 3044
- in Japan 3044
- mechanocardiograms of 4157
- on *Pinus densiflora*, in Fukuoka Prefecture 3044
- on *Pinus thunbergii*, in Fukuoka Prefecture 3044

Dioryctria zimmermani

- in USA 6838–6839
 - on *Pinus resinosa*, in Minnesota 6839
 - on *Pinus sylvestris*
- in Michigan 6838
 resistance to 6838

dioscoreae*, *Planococcus***dioscorides*, *Ampittia******Diospyros kaki* (see Persimmon)*****Diospyros virginiana***

- Eriophyes theospyri* on
- damage caused by 6742
 in USA 6742

3,5-Dioxa-6-aza-4-phosphaoct-6-ene-8-nitrile,
7-(2-chlorophenyl)-4-ethoxy-, 4-sulfide
 (see Chlorphoxim)

3,5-Dioxa-6-aza-4-phosphaoct-6-ene-8-nitrile,
4-ethoxy-7-phenyl-
 4-oxide, in wheat grain, phoxim
 metabolite 6972
 4-sulfide (see Phoxim)

3,5-Dioxa-6-aza-4-phosphaoct-6-ene-8-nitrile,
4-(ethylthio)-7-phenyl-, 4-oxide, in wheat
 grain, phoxim metabolite 6972

6,8-Dioxabicyclo[3.2.1]octane, 1,5-dimethyl-
 attractant for

- Dendroctonus* spp. 925
- D. frontalis* 5028
- D. pseudotsugae* 2449
- D. rufipennis* 3757, 6212
- Dendroctonus brevicomis* antennal responses to 4640
- D. frontalis* antennal responses to 4640
- D. frontalis* responses to 7418
- in *Dendroctonus*, production of 925
- in *Dendroctonus brevicomis* 412
- with 2,2-dimethyl-3-methylenebicyclo[2.2.1]heptane, and 2,6,6-trimethylbicyclo[3.1.1]hept-2-ene attractant for, *Dendroctonus pseudotsugae* 3211, 5665
- synergists for, ethanol and sudesol as 5665

with (1 α ,2 α ,5 α)-4,6,6-trimethylbicyclo[3.1.1]hept-3-en-2-ol, attractant for, *Dendroctonus frontalis* 5028

with 2,6,6-trimethylbicyclo[3.1.1]hept-2-ene, attractant for, *Dendroctonus frontalis* 5028–5029, 5090, 5668

6,8-Dioxabicyclo[3.2.1]octane, 5-ethyl-2,4-
dimethyl-, with α -cubebene, and 4-
 methyl-3-heptanol, attractant for,
Scolytus multistriatus 2132, 3736, 4632

6,8-Dioxabicyclo[3.2.1]octane, 7-ethyl-5-
methyl-
endo-
 in *Dendroctonus brevicomis* 412
 in *Dendroctonus frontalis* 3042
 depressing attractiveness of frontalin 5028

exo-

- Dendroctonus brevicomis* antennal responses to 4640
- D. frontalis* antennal responses to 4640
- in *Dendroctonus brevicomis* 412
- production of 64
- in *Dendroctonus frontalis*, depressing attractiveness of frontalin 5028

Dioxacarb (2-(1,3-dioxolan-2-yl)phenyl
 methylcarbamate)

against

- Adelges* spp., on *Picea* 4419
- Aelia* spp., on wheat 1940
- aphids, on tobacco 7399

Dioxacarb *contd.*against *contd.*

- Aphis fabae* 5193
Cassida nebulosa, on sugar-cane 7368
C. nobilis, on sugar-cane 7368
Earias spp., on cotton 1484
Eurygaster spp., on wheat 1940
Lasioderma serricorne 1547
Leptinotarsa decemlineata 3205
on potato 1467-1468, 4969
Meligethes aeneus, on rape 1663
Pectinophora gossypiella, on cotton 1484
Pristiphora abietina, on *Picea abies* 1525
Thrips tabaci, on tobacco 7399
in *Coccinella septempunctata*, toxicity of 3294
in *Thaumatomyia*, toxicity of 6018
resistance to, in, *Tetranychus urticae* 504
- Dioxathion** (*S,S'*-1,4-dioxane-2,3-diyl bis(*O,O*-diethyl phosphorodithioate))
against
Galleria mellonella 517
in beehives 2260
Liriomyza bryoniae, on tomato 7583
in *Encarsia formosa*, toxicity of 7583
in honey bees, toxicity of 517
in *Phytoseiulus persimilis*, toxicity of 7583
with pirimicarb, against, *Phytomyza syngenesiae*, on chrysanthemum 3938
- Dioxybracon**, parasitising, *Asphondylia* spp., in Gujarat 2062
- Diparopsis**
control of, insecticides for 4376
on cotton, in Nigeria 4376
- Diparopsis castanea**
carbaryl in, effects of sub-lethal doses of 4688
control of 4981
insecticides for 389, 4501, 4982-4983, 7507
fecundity in 5905
in Malawi 389, 391, 4501, 4983, 7507
in Swaziland 4981
in Zambia 4982
mating in 5905
on cotton
in Malawi 389, 391, 4501, 4983, 7507
in Swaziland 4981
in Zambia 4982
oviposition in 391
rearing of, diets for 1840
sex pheromone of 599
inhibitors of response to 4983
sterilisation of, chemosterilants for 4688
traps for 1224, 5905
- Diparopsis watersi**
control of, insecticides for 4500, 4503
in Chad 4500, 4503
on cotton, in Chad 4500, 4503
- Dipel** (see *Bacillus thuringiensis* var. *kurstaki*)
- Dipeptidase**, in *Chilo partellus* gut, not found 581
- Dipeptidase**, glycyl-glycyl
in *Chilo infuscatellus* 2424
in *Sesamia inferens* 2424
- Dipeptidase**, glycyly-leucine
in *Chilo infuscatellus* 2424
in *Sesamia inferens* 2424
- Dipeptidase**, prolyl
in *Chilo infuscatellus* 2424
in *Sesamia inferens* 2424
- Diphosphoramidate**, octamethyl- (see Schradan)
- Diphenyl phosphoric acid**, tetraethyl ester (see TEPP)
- Dipicolinic acid** (see 2,6-Pyridinedicarboxylic acid)
- Diplazon**, parasitising, Syrphidae, in Kenya 1897
- Diplazon laetatorius**
in Brazil 1884
in Egypt 4773-4775
in Kenya 1897
in Poland 1352
parasitising
Baccha spp., in Brazil 1884
Ischiodon aegyptius, in Egypt 4775
Metasyrphus corollae, in Egypt 4773-4774
Sphaerophoria scripta, in Poland 1352
Syrphidae, in Kenya 1897
- Diplazon ornatus**
in Kenya 1897
parasitising, Syrphidae, in Kenya 1897
- Diplocolenus bekiri**
sp. n., description of 546
in Turkey 546
- Diplogasteridae**, in, insects 957
- Diplolepis mayri**
in USSR 7209
on *Rosa canina*, in USSR 7209
parasites of, in USSR 7209
- Diplopoda**
DDT in, effects of 6968
in UK 4749
natural enemies of, in Senegal 2063
on groundnut
in Nigeria 5609
in Senegal 2063
- Diploptoxa neozelandica**
in New Zealand 1974
on *Chionochloa*
damage caused by 1974
in New Zealand 1974
- Diplura**, in Turkey 4141
- Diprion pallida** (see *Gilpinia*)
- Diprion pallipes** (see *Microdiprion*)
- Diprion pini**
control of, insecticides for 5014

***Diprion pini* contd.**

- development in, effects of photoperiod on 6567
- in Austria 5008
- in West Germany 5014
- in Yugoslavia 480
- on *Pinus sylvestris*, in Austria 5008
- rearing of, techniques for 6567
- rickettsiae in, in Yugoslavia 480

Diprion polytoma* (see *Gilpinia*)**Diprion sertifer* (see *Neodiprion*)*****Diprion similis***

- food consumption and digestibility in, cellulose in food and feces for determining 7424
- food consumption and utilisation in 6214
- in Austria 5008
- in Canada 4402
- in USA 4402
- on *Pinus banksiana*, development of 6214
- on *Pinus resinosa*, development of 6214
- on *Pinus strobus*, development of 6214
- on *Pinus sylvestris* development of 6214
- in Austria 5008
- parasitised by *Monodontomerus dentipes* and biological control using in Canada 4402
- in USA 4402

Diprionidae, on *Picea*, in Czechoslovakia 1528***Diptacus calicoryli***

- in USSR 6096
- on hazel, in USSR 6096

Diptera

- cell lines of, culture medium for 1831
- Chilo* iridescent virus in, infectivity of 3828
- collections of 6996
- control of 6856–6857
- insecticides for 2827, 7608, 7610
- eggs of 3379
- illustrations of 7034
- in Arizona 6652
- in UK 4004
- in Yugoslavia 5435
- in beech forests, in Poland 5017
- in *Ephestia kuehniella* nests 4712
- in milk-powder factories, in Japan 7447
- in oak forests, in Poland 5017
- in rice-fields, in Tokushima Prefecture 1354–1355
- in seed orchards 4421
- in sugar-beet fields, effects of aphicides on 6165
- in wheat fields, effects of fertilizers on 6917
- induced sterility in 3244
- insecticides in, effects of 5806

Diptera contd.

- JH mimics in, effects on morphology of 1709
- on apple, in France 3630
- on grain crops in Romania 2769
- resistance to 2769
- on lucerne, in Egypt 3603
- on pulse crops 6771
- on shrubs, in USA 5687
- on *Trifolium alexandrinum*, in Egypt 3603
- parasitised by *Centrodora* spp. 1306
- Hymenoptera 1834
- Monodontomerus dentipes* 4402
- Trichogramma* spp., and biological control using, in Ukraine 6621
- Tumidiscapus* spp. 1306
- parasitising *Diacrisia obliqua*, in India 2059
- Rhyacionia buoliana*, in Missouri 4393
- R. frustrana*, in Missouri 4393
- R. neomexicana* 3066
- predators of, in England 4772
- preyed on by birds, in New Zealand 2827
- Leptogaster cylindrica*, in USSR 1876
- Pardosa ramulosa*, in California 1293
- preying on, bark beetles, in Russian Republic 6841
- radiosensitivity of 6597
- sterilisation of, prediction of radiation dose required for 3427
- traps for 1635
- Dipterex** (see Trichlorphon)
- Dipterocarpus***, pests of, in Malaysia 2148
- dipterum Chloea***
- Diradops bethunei***, parasitising, *Heterocampa manteo* 3555
- Dirhinus giffardii*** biology of 5998
- in Pakistan 5998
- parasitising, *Dacus* spp., in Pakistan 5998
- rearing of, techniques for 5998
- dirhodum, Acyrthosiphon***, (*Metopolophium*)
- Discestra trifolii*** attractants for 3398
- in Canada 3398
- disclusa, Clavaspis***
- disclusa, Dioryctria***
- discoidalis, Blaberus***
- discoidalis, Phytocoris***
- discolor, Myllocerus***
- disjunctus, Popilium***
- dispar, Harmonides***, (*Boethoos*)
- dispar, Lymantria*** (*Ocneria*) (*Porthetria*)

- dispar*, *Xyleborus*
(*Anisandrus*)
- disparis*, *Anastatus* (see *A. japonicus*)
- disparis*, *Phobocampe*
(*Hyposoter*)
- disparis*, *Protichneumon*
- Disparlure** (*cis*-2-decyl-3-(5-methylhexyl)oxirane)
adopted as common name in *RAE*, p.6
attractant for
 Lymantria dispar 506, 1070, 1632,
 1806, 3053, 5122, 5759, 7413, 7682
 L. monacha 1806, 2266, 5003, 7413
attractiveness of analogues of 1070
controlled-release dispensers for 2993
dispensers for 3505
dogs trained to respond to 6575
in fish, toxicity of 5197
in rabbit, toxicity of 5197
in rat, toxicity of 5197
 Lymantria dispar responses to 5282
mating disrupter for, *Lymantria dispar*
 543, 3400, 3868, 5285, 5759
with (*Z*)-2-methyl-7-octadecene, mating
 disrupter for, *Lymantria dispar* 3400
(-), inhibiting response of *Lymantria*
 dispar to (+)-enantiomer 7682
(+), attractant for, *Lymantria dispar*
 7682
- Disphinctus politus** (see *Pachypeltis*
 politum)
- disponsi*, *Lygus*
- disseverans*, *Mocis*
- dissimilis*, *Hypothenemus*
- dissimulatum*, *Monalonia*
- disstria*, *Malacosoma*
- Distannoxane**, hexakis(2-methyl-2-phenylpropyl)-
against
 Epitrimerus pyri, on pear 6101
 Panonychus citri 5576
 P. ulmi, on apple 4185, 6101
 Tetranychus pacificus 5576
 T. urticae, on pear 2885
in Phytoseiidae, toxicity of 5576
- Distantiella**, on cacao, in Nigeria 3015
- Distantiella theobroma**
control of, insecticides for 1492
in Ghana 6197
on cacao
 in Ghana 6197
 in West Africa 1492
population dynamics of 6197
- distinctus**, *Merocoris*
- distinctus**, *Onitis*
- distinguenda**, *Empoasca*
- District of Columbia**
 Leucoma salicis in
 natural enemies of 1720
 on *Populus* 1720
 on *Salix* 1720
- Disulfide**, bis(4-chlorophenyl), with
 chlorfensulphide, and 1,1'-
 [methylenebis(oxy)]bis[4-chlorobenzene],
 against, *Acarapis woodi* 2701
- Disulfide**, di-2-propenyl
fungicidal activity of 518
insecticidal activity of 518
- Disulfoton** (*O,O*-diethyl *S*-2-(ethylthio)ethyl] phosphorodithioate)
against
 Acyrthosiphon dirhodum, on wheat
 688
 A. pisum 2262
 Alcidodes affaber, on cotton 3708
 Amrasca biguttula, on okra 6760
 A. devastans, on okra 854
 aphids 976
 on cotton 3806
 on potato 7378
 on sugar-beet 370, 3299, 7367
 Aphis craccivora, on *Phaseolus aureus*
 859
 A. fabae
 on sugar-beet 1464
 on *Vicia faba* 5600
 A. gossypii
 on cotton 2090, 2995, 4361
 on okra 854
 Atherigona approximata, on *Pennisetum*
 typhoides 4830
 A. soccata, on sorghum 836-837,
 6067, 6071
 Bagrada hilaris, on mustard 858
 Brevicoryne brassicae
 on *Brassica campestris* 7336
 on cabbage 4329
 Bursaphelenchus lignicolus 5795
 Busseola fusca, on maize 5507
 Caliothrips fasciatus, on cotton 4361
 Cavariella aegopodii, on carrot 876
 Ceratophis variabilis, on coconut 2844
 Cerotoma trifurcata, on soy bean 4341
 Dalbulus maidis, on maize 4261
 Diabrotica longicornis 6049
 Dysmicoccus cryptus, on coffee 4988
 Elaterridae, on tobacco 7398
 Empoasca kerri 7345
 Enneothrips flavens, on groundnut 368
 Etiella zinckenella, on *Phaseolus aureus*
 859
 Floracarum cyphomandrae, on
 Cyphomandra betacea 4323
 Heliethis armigera, on *Cajanus cajan*
 6164
 Hydrellia sasakii, on rice 4866
 Hylemya brassicae, on *Brassica* 3947
 Hyllobius pales 1664
 Keiferia lycopersicella, on tomato 882
 Lachnosterna consanguinea, on pea
 999
 L. nilgiria, on coffee 2105

Disulfoton contd.

against contd.

- Laodelphax striatella*, on rice 835, 2188
Leptinotarsa decemlineata, on potato 1679
Leucophaea coffeella, on coffee 7404
Lipaphis erysimi, on mustard 858
Maduraria obscura 7345
Maruca testalis, on *Cajanus cajan* 6164
Mayetiola rigida, on *Salix* 3026
Melanagromyza obtusa, on *Cajanus cajan* 6164
Melanaphis sacchari, on sorghum 5952
Mocis undata, on *Phaseolus aureus* 859
Monochamus alternatus 5795
Myzus humuli, on hop 4820
M. persicae
 on cabbage 2282
 on tobacco 397
Nilaparvata lugens, on rice 1964
Ophiomyia phaseoli 7345
 on *Phaseolus aureus* 859
Orseolia oryzae, on rice 4866
Ostrinia nubilalis, on maize 2795
Pegomya mixta, on beet 4963
Pemphigus bursarius 2912
Pentalonia nigronervosa, on banana 344
 pests of pea 6775
 pests of potato 1679
 pests of soy bean 6778
Phytobia cepae, on onion 379
Plusia chalcites, on *Phaseolus aureus* 859
Plutella xylostella, on cabbage 1440
Psila rosae, on carrot 499, 3189, 3947
Rhopalosiphum maidis, on maize 4267, 6049
Rhyacionia frustrana, on *Pinus* 4413
Schizaphis graminum
 on maize 4267
 on sorghum 3202, 5519
Sphenophorus callosus, on maize 4264
Spissistilus festinus, on soy bean 4341
Spodoptera littoralis 4550
S. litura, on *Phaseolus aureus* 859
Sundapteryx biguttula, on eggplant 1477
Tetranychus spp., on cotton 4361
T. urticae
 on bean 2278, 4228
 on hop 4820
 on *Phaseolus aureus* 859
 thrips, on cotton 4374
Thrips tabaci, on onion 380
Tribolium castaneum 5046, 6923
 formulations of 2995
 carriers for 3877

Disulfoton contd.

formulations of contd.

- with charcoal 3924
 in *Achaea janata*, increasing excretion and water loss 3893
 in *Amblyseius fallacis*, toxicity of 4228
 in beet, effects on germination of 4963
 in *Chrysopa*, toxicity of 3202
 in *Coccinella septempunctata*, toxicity of 2282
 in coffee, improving coldhardiness 7404
 in cotton
 effects on germination of 892
 effects on yield and fibre quality of 7392
 in eggplant, residues of 4330
 in *Gladiolus*, effects off 4995
 in granular clay formulations, determination of 6385
 in *Harpalus rufipes*, toxicity of 802
 in *Hippodamia convergens*, toxicity of 3202
 in *Nabis*, toxicity of 3202
 in okra
 effects on microflora of 6144
 residues of 6760
 in *Orius insidiosus*, toxicity of 3202
 in *Pterostichus*, toxicity of 802
 in soil
 degradation of 4581
 effects of moisture on 2278
 in sorghum, toxicity of 5519, 6071
 in soy bean
 inhibiting phorate sulfoxidation 3920
 residues of 6778
 in *Spodoptera littoralis*, effects of exposure time on susceptibility to 4550
 in sugar-beet, toxicity of 2278
 in sugar-beet fields
 effects on flying insects of 6165
 effects on Hymenoptera of 3299
 non-target effects of 370–371
 in *Vigna unguiculata*
 effects on root nodulation of 7354
 residues of 4330
 resistance to, in
Schizaphis graminum
 in Texas 294
 in USA 1938
 with carbaryl, against, *Sundapteryx biguttula*, on eggplant 1477
 with endosulfan, against, *Sundapteryx biguttula*, on eggplant 1477
 with ethoprophos, and fensulfathion, against, Elateridae, on tobacco 7398
 with ethoprophos, and isopropalin, against, Elateridae, on tobacco 7398
 with fensulfathion, against, Elateridae, on tobacco 7398
 with herbicides, compatibility of 3202
 with isopropalin, and 1,2-dibromoethane, against, Elateridae, on tobacco 7398

- Disulfoton** *contd.*
 with monocrotophos
 against
 pests of pea 6775
 Sundapteryx biguttula, on eggplant 1477
- Disulfoton sulfone** (see Phosphorodithioic acid, *O,O*-diethyl *S*[(2-ethylsulfonyl)ethyl] ester)
- Disyston** (see Disulfoton)
- 1,3-Dithiolane-2-carboxaldehyde, 2,4-dimethyl-**
O[(methylamino)carbonyl]oxime, in tobacco, metabolism of 4543
O[(methylamino)carbonyl]oxime, 3-oxide, in tobacco, Tirpate metabolite 4543
- 1,3-Dithiolo[4,5-*b*]quinoxalin-2-one, 6-methyl-** (see Quinomethionate)
- Ditox** (see BHC (γ -isomer), with DDT)
- Ditylenchus dipsaci***
 control of, nematocides for 7600
 in, sugar-beet, in Europe 7600
- Diuraphis muehleii***
 biology of 4877
 descriptions of 4877
 in Poland 4877
 on *Phleum pratense*
 damage caused by 4877
 in Poland 4877
- Diuretic hormones** 6427
- Diurinea fagella***
 in Denmark 2130
 on *Fagus*, in Denmark 2130
 traps for 2130
- divareti*, *Sophrorhinus*** (see *S. quadricristatus*)
- diversa*, *Singapore***
- diversana*, *Choristoneura***
- diversicornis*, *Campylomma***
- diversus*, *Microcerotermes***
- diversus*, *Pheidologeton***
- dlabolai*, *Mocuellus***
- DMDT** (see Methoxychlor)
- DNA** (see Deoxyribonucleic acids)
- DNC** (see DNOC)
- DNOC** (2-methyl-4,6-dinitrophenol)
 adopted as common name in *RAE*, p. 6
 against
 Eriophyes vitigineusgemma, on grapevine 1399
 Lepidosaphes ulmi, on apple 6721
 Operophtera brumata, on apple 2875
 Quadraspidiotus perniciosus 5552, 5751, 7305, 7529
 Recurvaria nanella 6099
 formulations of 5751
 in *Anthocoris nemorum*, toxicity of 5436
 in hare, toxicity of 2293
 in partridge, toxicity of 2293
 in pheasant, toxicity of 2293
 with DDT, in *Anthocoris nemorum*, toxicity of 5436
- DNOC** *contd.*
 with oil emulsion
 against
 Lepidosaphes ulmi, on apple 6721
 Tetranychidae, on fruit trees 6102
 with tar oil, in *Anthocoris nemorum*, toxicity of 5436
- Dnopherula backlundii***
 food consumption of 116
 in Tanzania 116
 in grassland, in Tanzania 116
- DNP** (see Benzene, 1,1'-(2-nitropropylidene)bis[4-chloro-])
- docilis*, *Selepa***
- Dociostaurus maroccanus***, distribution of, changes in 2621
- Dock** (see *Rumex*)
- Dock, curled** (see *Rumex crispus*)
- 13-Docosenoic acid, (*Z*)-**, in *Anastrepha suspensa*, effects of age on 5310
- docta*, *Acaropsis***
- dodattellus*, *Schoenobius*, (*Tryporyza*)**
- 2,4-Dodecadienethioic acid, 11-methoxy-3,7,11-trimethyl-, *S*ethyl ester, (*E,E*)-** (see Triprene)
- 2,4-Dodecadienoic acid, 11-hydroxy-3,7,11-trimethyl-**
 in *Oncopeltus fasciatus*, JH activity of 1128
 1-methylethyl ester
 in *Oncopeltus fasciatus*
 JH activity of 1128
 methoprene metabolite 1128
 in *Tenebrio molitor*, methoprene metabolite 1128
- 2,4-Dodecadienoic acid, 11-methoxy-3,7,11-trimethyl-**
 in *Tenebrio molitor*, methoprene metabolite 1128
 ethyl ester, (*E,E*)-, against, *Spodoptera littoralis* 2446
 1-methylethyl ester, (*E,E*)- (see Methoprene)
- 2,4-Dodecadienoic acid, 3,7,11-trimethyl-ethyl ester, (*E,E*)-** (see Hydroprene)
- ethyl ester, (*E,Z*)-**, insecticidal activity of 3876
 ethyl ester, (*Z,E*)-, insecticidal activity of 3876
 ethyl ester, (*Z,Z*)-, insecticidal activity of 3876
 2-propynyl ester, (*E,E*)- (see Kinoprene)
- 8,10-Dodecadien-1-ol (*E,E*)-**
 attractant for
 Cydia nigricana 2052
 C. pomonella 2881, 3260, 3627-3628, 3874, 4904, 4907
 Hedya nubiferana 1648
 Tortricidae 1139

8,10-Dodecadien-1-ol *contd.*(E,E)- *contd.**Cydia pomonella* sex pheromone, inhibitors of response to 1648, 3925in *Cydia pomonella*, effects on mating of 1805

synthesis of 5287–5288

9,11-Dodecadien-1-olacetate, (E)-, *Diparopsis castanea* sex pheromone 599acetate, (Z)-, *Diparopsis castanea* sex pheromone 599**1-Dodecanamine**

against

Culex pipiens 3961*Spodoptera littoralis* 3961*Tetranychus cinnabarinus* 3961**Dodecanoic acid**attractant for, *Dermestes maculatus* 3266in *Anastrepha suspensa*, effects of age on 5310in *Dermestes maculatus*

effects on development of 3343

effects on feeding of 3343

in *Lasius fuliginosus* trail pheromone 2690

cyclopropylmethyl ester

against, *Tetranychus urticae* 5189resistance to, in, *Tetranychus urticae* 51892,2,2-trichloro-1-(dimethoxyphosphinyl)ethyl ester, against, *Hylobius pales* 1664**Dodecanoic acid, 2-fluoro-**in *Dermestes maculatus*

effects on feeding of 3343

toxicity of 3343

1-Dodecanol

against

Culex pipiens 3961*Spodoptera littoralis* 3961*Tetranychus cinnabarinus* 3961*Cydia molesta* responses to 1138 synergist for*Cydia molesta* sex pheromone 1646

(Z)-8-dodecenyl acetate 3396

with (E)-8-dodecenyl acetate, and (Z)-8-dodecenyl acetate

attractant for

Cydia molesta 6924*C. prunivora* 6924*Gretchena bolliana* 6924**dodecastigma, Epilachna****1,6,10-Dodecatriene, 7,11-dimethyl-3-methylene-, (E)-, aphid alarm pheromone**

600

2,6,10-Dodecatriene, 1-methoxy-3,7,11-trimethyl-in *Choristoneura fumiferana*, effects on embryonic respiration of 3341**2,6,10-Dodecatriene, 1-methoxy-3,7,11-trimethyl- *contd.***in *Eurygaster integriceps*, inhibiting embryonic development 3387in *Galleria mellonella*, JH activity of 5301in *Locusta migratoria*, effects on neurosecretory system of 4661in *Malacosoma americanum*, effects on ovarioles of 1001in *Piesma quadratum*, effects on virus transmission of 3809in *Zootermopsis angusticollis*, effects on caste differentiation of 4237**2,6,10-Dodecatrienoic acid, 3,7,11-trimethyl- in *Schistocerca americana*, as intermediate of JH 172**(E,E)-, in *Schistocerca americana*,

stimulating synthesis of JH 1136

ethyl ester, in *Kaloterme flavicollis*, effects on soldier differentiation of 1317

methyl ester

in *Periplaneta americana*, JH precursor 3394in *Schistocerca americana*

as intermediate of JH 172

JH precursor 3394

methyl ester, (E,E)-, in *Schistocerca americana*, not found 5306**1,6,10-Dodecatrien-1-ol, 3,7,11-trimethyl-, attractant for, *Tetranychus urticae* 6486****2,6,10-Dodecatrien-1-ol, 3,7,11-trimethyl- attractant for, *Tetranychus urticae* 6486**in *Cercura vinula*, effects of 3420in *Galleria mellonella*, toxicity of 5301in hop, relation of susceptibility to *Tetranychus urticae* and content of 3573in *Hyalophora cecropia*, not incorporated into JH 2443in *Locusta migratoria*, effects on neurosecretory system of 4661in *Sphinx ligustri*, effects of 3420in *Trogoderma granarium*, effects of 4670repellent for, *Papilio demoleus* 1766*Tetranychus urticae* sex pheromone 42**dodecella, Exoteleia****2-Dodecenoic acid, 11-chloro-3,7,11-trimethyl-ethyl ester**in *Dermestes maculatus*, increasing respiratory metabolism 1131in *Subcoccinella vigintiquattuorpunctata*, effects on diapause of 597in *Trogoderma granarium*, effects on spermatogenesis of 610methyl ester, in *Labidura riparia*, effects on development of 7086

- 2-Dodecenoic acid, 11-chloro-3,7,11-trimethyl-** *contd.*
methyl ester, (*E*)-
against
 Aphis fabae 2444
 Myzus persicae 2444
 Therioaphis trifolii 2444
- 2-Dodecenoic acid, 7,11-dichloro-3,7,11-trimethyl-**
ethyl ester
 in *Cerura vinula*, effects of 3420
 in *Sphinx ligustri*, effects of 3420
ethyl ester, (*E*)-
 in *Choristoneura fumiferana*, effects on embryonic respiration of 3341
 in *Dysdercus*, causing sterility 3240
 in *Tineola bisselliella*, effects of 1775
 in *Trogoderma granarium*, effects on development of 59
methyl ester, in *Galleria mellonella*, JH activity of 5301
- 10-Dodecen-1-ol**
acetate, (*E*)-, inhibitor of *Cydia pomonella* response to sex pheromone 1648
acetate, (*Z*)-, inhibitor of *Cydia pomonella* response to sex pheromone 1648
- 11-Dodecen-1-ol**, acetate, *Diparopsis castanea* sex pheromone 599
- 7-Dodecen-1-ol**
(*Z*)-
 in fish, toxicity of 5197
 in rabbit, toxicity of 5197
 in rat, toxicity of 5197
acetate, (*E*)-
 with looplure
 attractant for
 Argyrogramma verruca 4045
 Trichoplusia oxygramma 4045
acetate, (*Z*)- (see Looplure)
- 8-Dodecen-1-ol**
acetate, (*E*)-
 Cydia molesta responses to 1138
 with (*Z*)-8-dodecenyl acetate
 attractant for
 Cydia molesta 849, 1646
 C. prunivora 849, 1646
 with (*Z*)-8-dodecenyl acetate, and 1-dodecanol
 attractant for
 Cydia molesta 6924
 C. prunivora 6924
 Gretchena bolliana 6924
acetate, (*Z*)-
 attractant for
 Cnephasia communana 5139
 Cydia funebrana 1648, 2021, 3260, 6735
 C. molesta 849, 2889-2890, 5139
 C. nigricana 2052
 C. prunivora 849
 Gretchena bolliana 3396
Tortricidae 1139
- 8-Dodecen-1-ol** *contd.*
acetate, (*Z*)- *contd.*
 Cydia molesta responses to 1138
 C. molesta sex pheromone, effects of dodecyl acetate on responses to 542
 inhibitor of *Cydia pomonella* response to sex pheromone 1648
 synergists for 3396
 with (*E*)-8-dodecenyl acetate
 attractant for
 Cydia molesta 849, 1646
 C. prunivora 849, 1646
 with (*E*)-8-dodecenyl acetate, and 1-dodecanol
 attractant for
 Cydia molesta 6924
 C. prunivora 6924
 Gretchena bolliana 6924
 with dodecyl acetate
 attractant for
 Cydia molesta 849
 C. prunivora 849
- 9-Dodecen-1-ol**
acetate, (*E*)-, mating disrupter for, *Rhyacionia buoliana* 3401
acetate, (*Z*)-
 attractant for, *Spodoptera frugiperda* 4725
 Diparopsis castanea sex-pheromone component 599
 inhibitor of *Rhyacionia buoliana* response to sex pheromone 1633, 3401
- 9-Dodecyn-1-ol**, acetate, inhibitor of *Adoxophyes orana* response to sex pheromone 1069
- Dodine** (dodecylguanidine monoacetate)
against, Tetranychidae, on apple 5562
in *Agistemus fleschneri*, toxicity of 5562
with captan, against, *Venturia inaequalis*, in apple 5569
with dinocap, and monocrotophos, against, *Elasmopalpus lignosellus*, on maize 706
- Dog** (*Canis familiaris*)
aldrin in, toxicity of 2306
BHC in, toxicity of 2306
detection of eggs of *Lymantria dispar* using 6575
fenitrothion in, enzyme inhibition by 3912
paraoxon in, metabolism of 3330
parathion in, metabolism of 3330
- Dog food**, *Trogoderma simplex* in, development of 2378
- Dolerus nitens**
in USA 299
on *Festuca*, on Oregon 299
- Dolichodial** (see Cyclopentaneacetaldehyde, 2-formyl-3-methyl- α -methylene-)

- Dolichopodidae**, preying on, bark beetles, in USSR 6627
- Dolichos**, *Hedylepta indicata* on, in Brazil 3675
- Dolichos biflorus**
Chaulyiops fallax on, in Himachal Pradesh 7348
Tetranychus neocaledonicus on, development of 734
 yellow mosaic virus in, in Karnataka 6155
- Dolichos biflorus** (stored seeds), 1,2-dibromoethane in, residues of 3484
- Dolichos enation mosaic virus** in
Cyamopsis tetragonoloba, in Andhra Pradesh 3805
Dolichos lablab, in Andhra Pradesh 3805
Tetranychus ludeni in Andhra Pradesh 3805
 transmission of 3805
- Dolichos lablab**
Anomis erosa on, in Karnataka 4371
Aphis craccivora on, feeding by 503
Argina cribraria on, development of 4379, 6154
Coptosoma cribrarium on, in Pakistan 7035
 dolichos enation mosaic virus in, in Andhra Pradesh 3805
Heliothis armigera on, rearing of 3495
H. virescens on, in Georgia (USA) 359
H. zea on, in Georgia (USA) 359
Sagra nigrita on, in Karnataka 3657
Tetranychus ludeni on, in Andhra Pradesh 3805
T. tchadi on, in Chad 1093
- Dolichosoma lineare**
 prey antigens in, detection of 5385
 preying on, *Neodiprion sertifer* 5385
- Dolichotetranychus floridanus**
 in Brazil 6550
 on pineapple, in Brazil 6550
- Dolichovespula norvegica**, in USSR 7022
- Dolichovespula pacifica**
 in Japan 7022
 in USSR 7022
- Dolichovespula saxonica**
 in Japan 7022
 in USSR 7022
- Dolichus halensis**
 in Japan 1358
 preying on, *Chilo suppressalis*, in Japan 1358
- Dolophron nishiguchii**
 sp. nov., description of 1094
 in Japan 1094
 parasitising, *Gravitar mata amethystana*, in Japan 1094
- Dolycoris**, parasites of, in USSR 4811
- Dolycoris baccarum**
 in USSR 1872
 on soy bean, in USSR 1872
 parasitised by
Cylindromyia brassicaria, in USSR 1872
Gymnosoma sylvaticum, in USSR 1872
Trissolcus grandis 4810
T. simoni 4810
- Dolycoris indicus**
 in Pakistan 1338
 on weeds, in Pakistan 1338
 on wheat, in Pakistan 1338
- Domestic animals**
 DDT in, residues of 3312
Hippelates spp. on 2180
 pesticide residues in, in Poland 6970
- domestica, Musca domestica, Thermobia domestica, Trypodendron, (Xyloterus) domesticus, Acheta (Gryllus) domesticus, Glycyphagus domesticus, Opilo domesticus, Sclerodermus dominica, Rhyzopertha**
- Dominican Republic**
Calisto pulchella in
 natural enemies of 7224
 on sugar-cane 7224
 sugar-cane in
 arthropod pests of 7223
 insect pests of 7225
- dominicanus, Bruchus** (see *Mimosestes mimosae*)
- Donus salviae**
 biology of 1995
 descriptions of 1995
 in Italy 1995
 on *Mentha pulegium*, in Italy 1995
 on strawberry, in Italy 1995
 taxonomy of 1995
- DOPA** (see L-Tyrosine, 3-hydroxy-)
- Dopamine** (see 1,2-Benzenediol, 4-(2-aminoethyl)-)
- Dopamine, N-acetyl-** (see Acetamide, N-[2-(3,4-dihydroxyphenyl)ethyl]-)
- Doralis fabae** (see *Aphis*)
- dorantes, Urbanus dorsale, Agonom dorsale, Praon dorsalis, Anomala dorsalis, Dacus dorsalis, Perga dorsalis, Scirtothrips dorsata, Apis Doryctina**, body size in 182
- Dorylus gerstaeckeri**
 in Ghana 3014
 in cacao plantations, in Ghana 3014

- Dorylus nigricans**
in Ghana 3014
in cacao plantations, in Ghana 3014
- Dorylus orientalis**
control of 6610
in Burma 6610
in India 6610
in Sri Lanka 6610
on *Citrus*, damage caused by 6610
on coconut, damage caused by 6610
on groundnut, damage caused by 6610
on potato
 damage caused by 6610
 in Uttar Pradesh 6610
on sugar-cane, damage caused by 6610
taxonomy of 6610
- Dorystenes hydropicus, Metarhizium anisopliae** in, pathogenicity of 255
- Dorytomus**
on *Chosenia arbutifolia*, in USSR 7023
on *Populus*, in USSR 7023
on *Salix*, in USSR 7023
taxonomy of, revision of 7023
- dotata, Thyas**
- Dotriacontanoic acid, 13-oxo-**
15-oxotetriacontyl ester
 in *Dactylopius confusus* 5145
 in *Paraprociophilus tessellatus* 5145
- Doughure** (see Bicyclo[2.2.1]heptane, 2,2-dimethyl-3-methylene-, with 1,5-dimethyl-6,8-dioxabicyclo[3.2.1]octane, and 2,6,6-trimethylbicyclo[3.1.1]hept-2-ene)
- Dove, mourning** (see *Zenaidura macroura*)
- Dow Corning XEF-4-3561**, in *Pinus strobus*, effects on susceptibility to *Pissodes strobi* of 4412
- Dowco 179** (see Chlorpyrifos)
- Dowco 214** (see Chlorpyrifos-methyl)
- Dowco 217** (see Fospirate)
- Dowco 263** (see 2,6-Pyridinedicarbonitrile, 3,4,5-trichloro-)
- Dowco 275** (see Phosphorothioic acid, *O,O*-diethyl *O*-(6-fluoro-2-pyridinyl) ester)
- dowellii, Balaustium**
- Dowex 50W-X8**, in *Heliothis virescens*, effects on melanisation of 3342
- Dowfume EB-5** (see Ethane, 1,2-dibromo-, with 1,2-dichloroethane, and tetrachloromethane)
- downesi, Chrysopa**
- DPX-3654** (see Benzenemethanol, 4-chloro- α -(4-chlorophenyl)- α -cyclopropyl-)
- drabae, Eriophyes**
- Dracaena**
Heliothrips haemorrhoidalis on, in Bulgaria 3027
Parthenothrips dracaenae on, in Bulgaria 3027
- Dracaena fragrans**
Opogona sacchari on
 damage caused by 4992, 6201
- Dracaena fragrans contd.**
Opogona sacchari on *contd.*
 imported into Italy 4992
 in Italy 6201
Xyleborus affinis on, in Florida 411
X. ferrugineus on, in Florida 411
- dracaenae, Parthenothrips**
- Draeculacephala crassicornis**
diapause in 24, 1737
mating in 1737
reproduction in, effects of JH mimics on 24
reproductive development in 1737
- Draeculacephala minerva**
grapevine Pierce's disease
 causal agent in
 detection of 2856
 transmission of 2854-2855
- Drainage**
of cacao plantations, effects on leaf-cutting ants 173
of cotton fields, effects on *Heliothis zea* 5328
- Drainage ditches**, organochlorine insecticides in, residues of 6421
- Drazoxolon** (3-methyl-4,5-isoxazolidione 4-[(2-chlorophenyl)hydrazonol])
with pirimiphos-ethyl, against, *Hylemya platura*, on *Phaseolus vulgaris* 3951
- Drepanosiphinae**, alarm pheromones in 600
- Drepanosiphum platanoides**
escape behaviour in 6834
flight activity in 1179
in UK 1891
on *Acer pseudoplatanus* 86
 in Scotland 1891
parasitised by
 Aphelinus flavus, in Scotland 1891
 Dyscritulus planiceps, in Scotland 1891
 Monoctonus pseudoplatani, in Scotland 1891
 Trioxys cirsii, in Scotland 1891
population dynamics of 86
preyed on by, *Adalia bipunctata* 6834
supercooling of, effects of food-plant on 6470
- Drepanothrips reuteri**
biology of 1400
in Switzerland 1400
on grapevine
 damage caused by 1400
 in Switzerland 1400
- Dreyfusia** (see *Adelges*)
- Dreyfusia merkeri** (see *Adelges*)
- Dreyfusia nordmannianae** (see *Adelges*)
- Dreyfusia piceae** (see *Adelges*)
- Dreyfusia prelli** (see *Adelges*)
- Drino inconspicua** (see *Palexorista*)
- Drino macarensis**
in Colombia 3540

***Drino macarensis* contd.**

parasitising, *Erinnyis ello*, in Colombia 3540

Drosicha mangiferae

biology of 1436
control of, insecticides for 1436
in India 1436
on mango, in Uttar Pradesh 1436

Drosochrysi*, silk of 4049**Drosochrysi*, silk tubes of 4049*****Drosophila***

biology of, reviews of 6514
courtship behaviour in 4682
enzymes in 6473
genetics of 5312
reviews of 6514
imaginal disks in, effects of ecdysones on 1773
in Réunion 7129-7130
nervous system in 5850
parasitised by, *Pseudeucoila bochei* 2492
preyed on by
Dictyna spp., in Florida 4186
Gasteracantha cancriformis, in Florida 4186
Uloborus spp., in Florida 4186
sex ratio in 5365
speciation in 4682
taxonomy of 4682

Drosophila affinis

parasitised by, *Pseudeucoila affinis* 4035
tumors in, caused by parasites 4035

Drosophila anomalipes

biology of 2704
in USA (Hawaii) 2704

Drosophila funebris

in Poland 1443
on cabbage, in Poland 1443

Drosophila gaucha

development in, effects of larval biotic residues on 2532
in Argentina 2532
in Bolivia 2532
in Brazil 2532
in Uruguay 2532

Drosophila gaucha* × *D. pavani

development in, effects of larval biotic residues on 2532
in Argentina 2532

Drosophila mauritiana*, in Mauritius 7131**Drosophila melanica***

hydration in 4659
respiration in 4659

Drosophila melanogaster

accessory glands in, proteins in 6512
adaptedness in 2454
alcohol dehydrogenase in, genetics of 2456
aldrin in, bioassay of 3329
antifeedants in, effects of 1072
autoimmune melanotic tumours in, effects of parasitism on 2717

***Drosophila melanogaster* contd.**

BHC in, bioassay of 3329
biology of, reviews of 6514
chromosomes in 2454
competing with, *Drosophila pseudoobscura* 1109
control of, insecticides for 5190, 5192
cyclic AMP in, developmental changes in 2384
development in, effect of food supply on 2557
dill extracts in, toxicity of 1649
embryonic development in, effects of JH mimics on 540
endosulfan bioassay using 6976
enzymes in 6467, 6481
ethanol in, influence of *ebony* gene on utilisation of 7070
farnesane derivatives in, growth-regulator activity of 6938
fungal extracts in, toxicity of 4549
genetic latitudinal clines in 2455
genetics of 5312
reviews of 6514
in Australia 1814
in USA 1741
in West Germany 1645
in orchards, in West Germany 1645
in vineyards, in West Germany 1645
insecticide bioassay using 703
insecticide resistance in, in West Germany 1645
insecticide susceptibility in, effects of herbicides on 5776
intraspecific competition in 2557
JH mimics in, activity of 594
life-cycle of, effects of temperature on 1814
mating in, effects of light on 4694
methyl-parathion in, bioassay of 2047
nucleic acids in, effects of hormones on synthesis of 1772
oviposition in, effects of light on 4694
parasitised by, *Pseudeucoila bochei* 2717
parathion in, bioassay of 2047
pattern preferences in, effects of object distance on 2433
preyed on by, spiders 6065
reproduction in, effects of temperature on 1741, 1814
reproductive potential of, effects of rearing temperature on 1125
soil fungi in, pathogenicity of 227
sterilisation of, chemosterilants for 1155
temperature-sensitive mutation of 3242
thermosensitivity in 1741

Drosophila nasuta*, competing with, *Drosophila neonasuta* 4711**Drosophila neonasuta*, competing with, *Drosophila nasuta* 4711*****Drosophila neopicta* in USA (Hawaii) 4682**

- Drosophila neopicta*** *contd.*
speciation in 4682
- Drosophila paulistorum***
pole cells in, symbionts of 476
symbionts in, sterility caused by 476
- Drosophila pavana***
development in, effects of larval biotic residues on 2532
in Argentina 2532
in Chile 2532
- Drosophila pavana* × *D. gaucha***
development in, effects of larval biotic residues on 2532
in Argentina 2532
- Drosophila pseudoobscura***
competing with, *Drosophila melanogaster* 1109
mating in, effects of light on 4694
oviposition in, effects of light on 4694
water balance in 3425
- Drosophila quasianomalipes***
biology of 2704
in USA (Hawaii) 2704
- Drosophila simulans***, in Mascarene Islands 7131
- Drosophilidae**
in Mauritius 7129–7131
in Réunion 7129–7131
preyed on by, Staphylinidae 1219
- Drug plants** (see Medicinal plants)
- drummondii, Melanophila***
- Dryinidae**
in British Isles 5231
keys to 5231
larval development in 6012
parasitised by, *Centrodora* spp. 1306
parasitising
Auchenorrhyncha 6012
in UK 195
Empoasca pteridis, in Poland 5590
- Dryinus***
biology of 5959
parasitising, *Numicia viridis*, in southern Africa 5959
- Dryinus erraticus*** 5959
- Dryobalanops***, pests of, in Malaysia 2148
- Dryobalanops aromatica, Asphondylia*** spp.
on, in Malaya 559
- Dryobotodes monochroma***
in Italy 919
on *Quercus suber*, in Italy 919
population dynamics of 919
- Dryocoetes affaber***
in USA (Alaska) 4399
on *Picea glauca*, in Alaska 4399
- Dryocoetes taprobanus***
in Malaysia 6228
in stored illipe nuts, in Sarawak 6228
- Dryocoetiops coffeae***
in Indonesia 3482
on coffee, in Timor 3482
- Dryocoetoides***
biology of 5692
in forests, in Brazil 5692
- Dryocosmus kuriphilus***
biology of 5549
descriptions of 5549
distribution of 5549
in Japan 2860
in South Korea 2860
in USA 2860, 5549
on *Castanea crenata*, resistance to 5549
on *Castanea mollissima*
damage caused by 5549
in Georgia (USA) 2860, 5549
oviposition in 84
- DS-15647** (see 2-Butanone, 3,3-dimethyl-1-(methylthio)-, *O*[(methylamino)carbonyl]-oxime)
- DTE** (see Benzene, 1,1'-(1,2,2,2-tetrachloroethylidene)bis[4-chloro-])
- Du-Ter** (see Fentin hydroxide)
- DU-19111** (see Benzamide, 2,6-dichloro-*N*[[[3,4-dichlorophenyl]amino]carbonyl]-)
- dubia, Javesella***
- dubia, Lissonota***
- dubia, Orgyia***
- dubitalis, Pleocomma***
- dubitans, Limonius***
- dubius, Aculodes***
- dubius, Pimplopterus***
- Duboisia leiccharidia***, pests of, in Queensland 225
- Duboisia myoporoides***, pests of, in Queensland 225
- ducens, Feltia***
- Duck**, diazinon in, metabolism of 5202
- Duck, black** (see *Anas rubripes*)
- Duck, mallard** (see *Anas platyrhynchos*)
- Duck, ruddy** (see *Oxyura jamaicensis*)
- Duckweed** (see *Lemna*)
- Dudua hesperialis*** 560
- Dulcitol** (see Galactitol)
- Dulinius conchatus***, in Thailand 1200
- Dulinius unicolor***
biology of 3017
control of, insecticides for 3017
in Malagasy Republic 3017
on coffee, in Malagasy Republic 3017
predators of, effects of insecticides on 3017
preyed on by, *Stethoconus frappa*, in Malagasy Republic 3017
- Dung**, biological control of 7686
- Dung beetles**, in cattle dung, role in decay of 5525
- duodecimpunctata, Crioceris***
- Duomitus ceramicus*** (see *Xyleutes*)
- duplana, Rhyacionia***
- Duplaspidiotus claviger***
control of
cultural measures for 6804
insecticides for 6804

- Duplaspidiotus claviger** *contd.*
 distribution of 6804
 food-plants of 6804
 illustrations of 6804
 in USA 6804
 on camellia, in Florida 6804
- Duplaspidiotus tesseratus**
 illustrations of 6804
 in USA 6804
 on camellia, in Florida 6804
- duplex, Anoplonyx**
duplex, Pseudaonidia
duplicatus, Ips
Duranta
Aphis punicae on, in Egypt 178
Leptobyrsa decora on, in Peru 1244
Duranta plumieri, *Tydeus californicus* on,
 development of 3441
- Durez 12687** (see Phenolic resins)
- Duroquinone** (see 2,5-Cyclohexadiene-1,4-dione, 2,3,5,6-tetramethyl-)
- Dursban** (see Chlorpyrifos)
- Dutch elm disease** (see also *Ceratocystis ulmi*)
 control of 3737
 vector control for 4423
 in USA 6218
- Duter** (see Fentin hydroxide)
- Duter tetra** (see Fentin hydroxide, with tetradifon)
- duvauceli, Adoretus**
duvenoyi, Sophrorhinus
dux, Cerambyx
- Dwellings** (see also House dust)
Achaearanea tepidarium in, in Nagasaki Prefecture 2718
Ancistrotermes latinotus in, in Africa 4232
Anoplolepis longipes in, in Seychelles 5989
Asura conferta in, in India 4762
Attagenus megatoma in, in Spain 3081
Coptotermes formosanus in, in Kwangtung Province 6646
Dermestes lardarius in, in Canada 6863
 insect pests in
 changes in status of 6237
 effects of building construction and human behaviour on 5698
 in West Germany 5698
 insecticide use in, in Canada 6914
Leptocoris trivittatus in, in USA 6601
Malachius spp. in, in West Germany 1249
 Psocidae in, in Canada 6875
Reesa vespulae in, in Scandinavia 6852
Reticulitermes flavipes in, in Connecticut 1921
 woodlice in, in Canada 6590
Xylocopa micans in, in Florida 6869
X. virginica in, in Florida 6869
- Dyfonate** (see Fonofos)
- Dykol** (see DDT)
- Dylox** (see Trichlorphon)
- Dynastinae**
 in Australia 4610
 in New Zealand 4610
- Dysaphis**
 on apple, in Switzerland 3626
 population dynamics of 3626
- Dysaphis anthrisci**
 in Poland 322
 parasitised by, *Ephedrus persicae*, in Poland 322
- Dysaphis apiifolia**, on carrot 7369
- Dysaphis crataegi**, celery (western) mosaic virus in, transmission of 3113
- Dysaphis crataegi aethusae**, in Poland 7144
- Dysaphis cynarae**
 biology of 1438
 control of, insecticides for 1438
 in Italy 1438
 on globe artichoke, in Italy 1438
- Dysaphis devecta**
 biology of 325
 control of
 insecticides for 325, 6106
 removal of loose bark for 6106
 trap bands for 6106
 in USSR 325, 6106
 on apple
 damage caused by 6106
 in Ukraine 325
 in USSR 6106
 leaf-roll galls of 5566
 resistance to 6106
- Dysaphis flava**
 biology of 325
 control of, insecticides for 325
 in USSR 325
 on apple, in Ukraine 325
- Dysaphis mali** (see *D. plantaginea*)
- Dysaphis newskyi**, in Poland 7144
- Dysaphis plantaginea**
 biology of 325
 control of
 genetic 7043
 insecticides for 325, 6375
 integrated 7537
 in Italy 6375
 in Poland 322
 in Spain 7537
 in USSR 325
 in West Germany 6111
 on apple
 effects of clean cultivation on 6111
 in Italy 6375
 in Poland 322
 in Ukraine 325
 in West Germany 6111
 leaf-roll galls of 5566
 parasitised by
Ephedrus persicae, in Poland 322

- Dysaphis plantaginea* contd.**
 parasitised by *contd.*
Monoctonus cerasi, in Poland 322
Praon volucre, in Poland 322
 rearing of, diets for 7043
 sexuales production in, on artificial diet 7043
- Dysaphis pyri***
 in France 7546
 on pear, in France 7546
- Dysaphis radicola***
 in Poland 322
 in Portugal 4207
 parasitised by, *Ephedrus persicae*, in Poland 322
- Dyscinetus***, on sugar-cane, in Dominican Republic 7225
- Dyscinetus picipes***
 flight activity in 4825
 in Guadeloupe 4825
 traps for 4825
- Dyscritulus planiceps***
 biology of 1891
 in UK 1891
 parasitising, *Drepanosiphum platanoides*, in Scotland 1891
- Dysdercus***
 control of 4981
 insecticides for 900, 4982–4983
 migration in 2646
 on cotton
 in Malawi 4983
 in Swaziland 4981
 in Zambia 4982
 on kenaf, in Tanzania 900
 preyed on by, *Phonoctonus grandis*, in Angola 82
- Dysdercus cardinalis***
 control of, sterile-insect release for 3240
 sterilisation of, JH mimics for 3240
- Dysdercus cingulatus***
Alcaligenes faecalis in, effects of drugs on 7064
 amino acids in, in hemolymph 1753, 1782
 cholesterol in, developmental changes in 7091
 control of, *Neoplectana carpocapsae* for 4783
 farnesane derivatives in, growth-regulator activity of 6939
 hemocytes in 6491
 in India 2115, 4818, 7215
 metepa in
 effects of 5894
 effects on life-span of 4091
 toxicity of 5894
 on *Chrozophora rottleri*
 development of 7215
 in Maharashtra 4818, 7215
 on cotton 2115
- Dysdercus cingulatus* contd.**
 on *Thespesia populnea*, in Madhya Pradesh 2115
 on *Trichodesma amplexicaule*
 development of 7215
 in Maharashtra 4818, 7215
 ovaries in, effects of growth regulators on development of 4529
 oviposition in, effects on amino acids of 1782
 plant extracts in, JH activity of 4064, 4529
 sterilisation of, chemosterilants for 7101
 tepa in
 effects of 5894
 toxicity of 5894
 weight changes in 4614
- Dysdercus fasciatus***
 control of, insecticides for 389
 in Mexico 1164
 preyed on by, *Phonoctonus grandis* 82
 sterilisation of, JH mimics for 3240
 traps for 1164
- Dysdercus fulvioniger***, flight muscles in, histolysis of 2397
- Dysdercus intermedius***, trichobothria in, stimulus-transmitting apparatus in 7074
- Dysdercus koenigii***
 biology of 394
 control of, insecticides for 6188
 description of 394
 development in
 effects of chemosterilants on 3239
 effects of humidity on 4663
 effects of temperature on 4663
 in India 394, 2728, 6075, 6188
 mating in, hormonal control of 4664
 on cotton
 in India 394, 2728
 in Punjab 6188
 on sorghum
 in Delhi 6075
 resistance to 6075
 parasitised by, *Treatia indica*, in India 2728
- Dysdercus melanoderes***
 in Ivory Coast 2503
 migration in 2503
 traps for 2503
- Dysdercus nigrofasciatus***, sterilisation of, JH mimics for 3240
- Dysdercus similis***, amino acids in, dietary requirement for 7069
- Dysdercus supersticiosus***
 control of, insecticides for 2087
 flight activity in, effects of isolation on 6533
 in Nigeria 2087
 on cotton, in Nigeria 2087
 oviposition in, effects of isolation on 6533

Dysdercus supersticiosus contd.

- preyed on by
 - Cheilomenes lunata*, in Nigeria 2087
 - spiders, in Nigeria 2087
- sterilisation of, JH mimics for 3240

Dysdercus voelkeri

- in Ivory Coast 2503
- migration in 2503
- on cotton, in Ivory Coast 2503
- traps for 2503

Dysmicoccus brevipes

- Anoplolepis longipes* associated with, in Taiwan 3645
- biology of 853
- Camponotus friedae* associated with, in Taiwan 3645
- in Malaysia 853
- in Taiwan 3645
- in USA (Hawaii) 853
- moulting in 1740
- on pineapple
 - in Malaya 853
 - in Taiwan 3645
- Pheidologeton diversus* associated with, in Taiwan 3645

Dysmicoccus cryptus

- control of, insecticides for 4988
- in Brazil 4988
- on coffee, in Brazil 4988

Dysmicoccus neobrevipes, in USA (Hawaii) 853**Dysprosium chloride** ($DyCl_3$), marker for, *Rhagoletis cerasi* 4172**E-605** (see Parathion)**Eacles imperialis cacticus** (see *E. magnifica cacticus*)**Eacles imperialis magnifica** (see *E. magnifica*)**Eacles magnifica**

- control of, insecticides for 4891
- in Brazil 4891
- on *Anacardium occidentale*
 - damage caused by 4891
 - in Brazil 4891

Eacles magnifica cacticus

- descriptions of 5243
- in Brazil 5243
- on cashew, in Brazil 5243

Eagle, bald (see *Haliaeetus leucocephalus*)**Eagle, golden** (see *Aquila chrysaetus*)**Earias**

- control of 4981
 - insecticides for 1484, 3008, 4503, 4929, 6188
- migration in 2646
- on cotton
 - effects of fertilizers on 3003
 - effects of spacing on 3003
 - in Chad 4503
 - in Haryana 3008
 - in Punjab 393, 1484, 6188
 - in Sudan 3705

Earias contd.

- on cotton contd.
 - in Swaziland 4981
 - in Tamil Nadu 3003
- on *Gossypium barbadense*, varietal preferences of 3705
- on *Gossypium hirsutum*, varietal preferences of 3705
- on okra
 - damage caused by 4929
 - in Madhya Pradesh 4929

Earias biplaga

- control of
 - insecticides for 3207, 4376
 - integrated 1237
- endrin resistance in, in Malagasy Republic 3207
- in Ivory Coast 1237, 3721'
- in Malagasy Republic 3207
- in Nigeria 4376
- in Uganda 1487
- on cacao, in Ivory Coast 1237, 3721
- on cotton
 - in Malagasy Republic 3207
 - in Nigeria 4376
 - in Uganda 1487
 - resistance to 1487
- parasitised by, *Trichogrammatoidea lutea*, in Ivory Coast 1237
- population dynamics of 3721

Earias fabia (see *E. vittella*)**Earias insulana**

- control of
 - economic threshold for 2529, 4368
 - growth regulators for 4365
 - insecticides for 2546, 3207, 4358, 4376, 4982, 7511, 7614
- emergence in, relation of lunar phase and 4364
- endrin resistance in, in Malagasy Republic 3207
- flight activity in 4018
- hydroprene in, effects on development of 4067
- in Egypt 2546, 2579, 4018, 4358, 4364–4365, 4368, 4375, 7614
- in India 2095
- in Israel 6793
- in Malagasy Republic 2529, 3207
- in Morocco 7511
- in Nigeria 4376
- in Zambia 4982
- kinoprene in, effects on development of 4067
- metepa in, effects of 3438
- methiotepa in
 - effects of 79
 - effects on amino acids of 2467
- methoprene in, effects on development of 4067
- on cotton
 - assessing infestations of 2529

***Earias insulana* contd.**

on cotton contd.

damage caused by 4368, 4375

in Egypt 2546, 4018, 4358, 4364-4365,
4368, 4375, 7614

in Haryana 2095

in Malagasy Republic 2529, 3207

in Morocco 7511

in Nigeria 4376

in Zambia 4982

on okra 79

oviposition in, relation of lunar phase and
4364parasitised by, *Trichogramma brasiliensis*,
and biological control using, in
Haryana 2095sterilisation of, chemosterilants for 79
traps for 2579, 6793***Earias vittella****Bacillus cereus* in, in Karnataka 6896

control of, insecticides for 2093

in India 2093, 6896

on cotton, in Karnataka 2093

on okra, in Karnataka 6896

Earthworm

carbofuran in, toxicity of 3327

chlorfenvinphos in, toxicity of 3327

DDT in, effects of 6968

in forest soils, not affected by *Bacillus*
thuringiensis 2233

in grassland, in Japan 177

in pastures, effects of insecticides on
7678

pesticides in

effects of 7561

toxicity of 300

preyed on by, centipedes, in UK 4749

**East Germany (see German Democratic
Republic)****Eastern Samoa (see American Samoa)*****eastopi*, *Dendrothrips******eastopi*, *Paoliella******ebeninus*, *Hypoaspis******ebenus*, *Bothynus*, (*Ligyris*)**

E.C. 1.1.1.1 (see Dehydrogenase, alcohol)

E.C. 1.1.1.8 (see Dehydrogenase, glycerol
phosphate)

E.C. 1.1.1.27 (see Dehydrogenase, lactate)

E.C. 1.1.1.40 (see Dehydrogenase, malate
(decarboxylating) (nicotinamide adenine
dinucleotide phosphate))E.C. 1.1.1.49 (see Dehydrogenase, glucose 6-
phosphate)

E.C. 1.1.1.73 (see Dehydrogenase, octanol)

E.C. 1.2.1.12 (see Dehydrogenase,
glyceraldehyde phosphate)

E.C. 1.2.1.37 (see Dehydrogenase, xanthine)

E.C. 1.3.99.1 (see Dehydrogenase, succinate)

E.C. 1.4.1.2 (see Dehydrogenase, glutamate)

E.C. 1.4.1.3 (see Dehydrogenase, glutamate
(nicotinamide adenine dinucleotide
(phosphate)))E.C. 1.4.3.4 (see Oxidase, amine (flavin-
containing))E.C. 1.6.2.4 (see Reductase, cytochrome c
(reduced nicotinamide adenine
dinucleotide phosphate))

E.C. 1.7.3.3 (see Oxidase, urate)

E.C. 1.7.99.2 (see Reductase, nitric oxide)

E.C. 1.14.14.1 (see Oxygenase, aryl 4-mono-)

E.C. 1.14.18.1 (see Oxygenase, monophenol
mono-)

E.C. 2.3.1.6 (see Acetyltransferase, choline)

E.C. 2.4.1.1 (see Phosphorylase)

E.C. 2.6.1.1 (see Aminotransferase,
aspartate)

E.C. 2.6.1.2 (see Aminotransferase, alanine)

E.C. 2.6.1.6 (see Aminotransferase, leucine)

E.C. 2.6.1.16 (see E.C. 5.3.1.19)

E.C. 2.7.1.1 (see Kinase (phosphorylating),
hexo-)E.C. 2.7.1.2 (see Kinase (phosphorylating),
gluco-)E.C. 2.7.1.4 (see Kinase (phosphorylating),
fructo-)

E.C. 3.1.1.3 (see Lipase, triacylglycerol)

E.C. 3.1.1.7 (see Esterase, acetyl choline)

E.C. 3.1.1.8 (see Esterase, choline)

E.C. 3.1.3.1 (see Phosphatase, alkaline)

E.C. 3.1.3.2 (see Phosphatase, acid)

E.C. 3.1.4.5 (see Nuclease, deoxyribo-)

E.C. 3.2.1.17 (see Lysozyme)

E.C. 3.2.1.20 (see Glucosidase, α -)E.C. 3.2.1.21 (see Glucosidase, β -)E.C. 3.2.1.23 (see Galactosidase, β -)E.C. 3.2.1.26 (see Fructofuranosidase, β -)

E.C. 3.2.1.28 (see Trehalase)

E.C. 3.4.11.1 (see Aminopeptidase, cytosol)

E.C. 3.4.11.4 (see Aminopeptidase,
tripeptide)

E.C. 3.4.13.1 (see Dipeptidase, glycyl-glycyl)

E.C. 3.4.13.2 (see Dipeptidase, glycyl-
leucine)

E.C. 3.4.13.8 (see Dipeptidase, prolyl)

E.C. 3.4.21.1 (see Chymotrypsin)

E.C. 3.4.21.4 (see Trypsin)

E.C. 3.4.21.14 (see Subtilisin)

E.C. 3.4.23.1 (see Pepsin A)

E.C. 3.5.1.5 (see Urease)

E.C. 3.5.4.3 (see Deaminase, guanine)

E.C. 3.6.1.3 (see Phosphatase, adenosine tri-)

E.C. 4.1.1.28 (see Decarboxylase, aromatic-
L-amino-acid)E.C. 5.3.1.19 (see Isomerase, glucosamine
phosphate (glutamine-forming))

E.C. 6.4.1.2 (see Carboxylase, acetyl-CoA)

eccoptogastri*, *Roptrocerus***Eccoptopterus sexspinosus* (see *E. spinosus*)*****Eccoptopterus spinosus***

in Burma 4272

on rice, in Burma 4272

- Ecdyonurus venosus**, hemolymph proteins in 5272
- Ecdysiotropin**, in *Diatraea grandiosella* 7078
- α -**Ecdysone** (see Cholest-7-en-6-one, 2,3,14,22,25-pentahydroxy-, (2 β ,3 β ,5 β ,22 R)-)
- α -**Ecdysone, 3-dehydro-** (see Cholest-7-en-6-one, 2,14,22,25-tetrahydroxy-, (2 β ,5 β ,22 R)-)
- α -**Ecdysone, 20-hydroxy-** (see Cholest-7-en-6-one, 2,3,14,20,22,25-hexahydroxy-, (2 β ,3 β ,5 β ,22 R)-)
- β -**Ecdysone** (see Cholest-7-en-6-one, 2,3,14,20,22,25-hexahydroxy-, (2 β ,3 β ,5 β ,22 R)-)
- Ecdysones** (see Moulting hormones)
- Ecdysterone** (see Cholest-7-en-6-one, 2,3,14,20,22,25-hexahydroxy-, (2 β ,3 β ,5 β ,22 R)-)
- echinata, Delia, (Phorbia)**
- echinocacti, Diaspis**
- Echinochloa colonum, Nephrotettix virescens** on, oviposition by 7218
- Echinochloa crus-galli**
Laodelphax striatella on, development of 5755
Nilaparvata lugens on, resistance to 5755
Sogatella furcifera on, development of 5755
 wheat streak mosaic virus in, mite transmission of 3804
- Echinochloa polystachya**
Aeneolamia contigua on damage caused by 1363
 in Mexico 1363
- Echinomyia fera** (see *Tachina*)
- echinopus, Rhizoglyphus**
- Echium lycopsis**, natural enemies of 1330
- Echtes Ackerbohnenmosaik virus** in
Acyrtosiphon pisum, not transmitted 5723
Aphis fabae, not transmitted 5723
Apion vorax, transmission of 5723
Meligethes spp., not transmitted 5723
Sitona lineatus, transmission of 5723
Vicia faba, in England 5723
- Echthromorpha agrestoria** in India 4786
 parasitising, *Mocis undata*, in Madhya Pradesh 4786
- Eciton**
 recruitment behaviour in 4770
 trail pheromone in 4770
- eckerleini, Dicyphus**
- Eclytus**, parasitising, *Pristiphora erichsonii*, in New York 3547
- Ecphylus silesiacus** in Austria 3752
 parasitising, *Scolytus* spp., in Austria 3752
- ECPIB** (see Clofibrate)
- Ectomyelois ceratoniae** in France 1404
 in Israel 4898
 on almond, in Israel 4898
 on *Ceratonia siliqua*, in France 1404
 parasitised by, *Phanerotoma flavitestacea*, and biological control using, in France 1404
 taxonomy of, misidentified as *Euzophera punicaeella* 3978
- Ectophasia crassipennis** in Bulgaria 1347
 in USSR 6353
 parasitising
Eurygaster integriceps in Bulgaria 1347
 in Kabardino-Balkaria 6353
- Ectopis bhumitra** in India 3022
 on tea, in India 3022
- Ectopis bistortata**
 control of, growth regulators for 5294
 in West Germany 5294, 5738
 on bilberry, in West Germany 5738
 on *Pinus*, in West Germany 5738
 polyhedrosis virus in, in West Germany 5738
- Ectopis sabulosa** in Papua New Guinea 3013
 on cacao, in Papua New Guinea 3013
 on *Leucaena leucocephala*, in Papua New Guinea 3013
- Ecuador**
Antichloris viridis in, on banana 2350
Cosmopolites sordidus in, on banana 684
Drosophila melanogaster in 2455
 Hispidae in
 on coconut 5539
 on oil palm 5539
Metamasius hemipterus in, on sugar-cane 683
Sagalassa valida in, on oil palm 4452
 Vespidae in 4204
- EDCT** (see Ethane, 1,2-dibromo-, with tetrachloromethane)
- Edessa mediatunda** in Brazil 1457
 on soy bean
 damage caused by 1457
 in Brazil 1457
- Edessa rufomarginata** in Brazil 1457
 on soy bean
 damage caused by 1457
 in Brazil 1457
- Edible burdock** (see *Arctium lappa*)
- Edwardsiana australis**
 control of, integrated 1421
 in New Zealand 1421
 on apple, in New Zealand 1421
- Edwardsiana froggatti** (see *E. australis*)

- Efferia frewingi*, prey of, selection of 2509
Efirsul'fonat (see Chlorfenson)
Egg powder, *Tribolium destructor* in, oviposition by 6305
Egg white
 as sunlight protectant for *Spodoptera litura* nuclear polyhedrosis virus 2245
 diet component for
Coptotermes formosanus 2426
Reticulitermes flavipes 2426
 in *Coptotermes formosanus*, toxicity of 2426
 in *Reticulitermes flavipes*, toxicity of 2426
Egg yolk, as sunlight protectant for *Spodoptera litura* nuclear polyhedrosis virus 2245
Eggplant (*Solanum melongena*)
Acanthocoris sordidus on, in Japan 3689
Amrasca biguttula on, in India 7193
A. devastans on 1808
 development of 157
 in Rajasthan 884
 aphids on 6180
Aphis gossypii on
 in Kerala 2976
 in Rajasthan 884
 in Tamil Nadu 582
 arthropod pests of, in UK 545
Asphondylia spp. on
 damage caused by 5634
 in Karnataka 5634
Asura conferta on, in Karnataka 4762
Autoba olivacea on, in Kerala 2976
 carbaryl in, effects of 6180
Coccidohystrix insolita on, in Bihar 6178
Diabrotica speciosa on, in Brazil 4761
Empoasca kerri on, development of 157
Epicauta spp. on, in Himachal Pradesh 7332
Eutetranychus orientalis on, in Egypt 3693
Gratiana lutescens on, development of 4242
Henosepilachna vigintioctopunctata on 6180
 in India 1299
 insecticides in, residues of 4330
 Jassidae on 6180
Leptinotarsa decemlineata on
 in Moldavia 6354
 in USSR 7380
Leucinodes orbonalis on
 in India 5329, 7373
 in Kerala 2976
 in Rajasthan 884
 in Tripura 3694
 mephosfolan in, effects of 6180
Mylocerus undecimpustulatus on, in Tamil Nadu 7313
Myzus persicae on, in Moldavia 6354-6355
- Eggplant contd.**
Opogona sacchari on, development of 6201
Pachypeltis politum on, in Karnataka 7383
 pests of, in Egypt 3690
Phthorimaea operculella on
 feeding by 3683
 in New Zealand 3686
 in Zambia 2070
 oviposition by 3684
Plusia signata on, in Tamil Nadu 1847
Psalis pennatula on, in Punjab 6790
Selepa docilis on, in Mysore 1478
Sundapteryx biguttula on, in Madhya Pradesh 1477
 Tetranychidae on, in France 977, 3170
Tetranychus cucurbitacearum on, in Egypt 3693
T. neocaledonicus on
 assessing infestations of 6789
 development of 734
 in Haryana 2975
 in Karnataka 4920
T. urticae on, in Netherlands 978
Trialeurodes vaporariorum on, in Netherlands 978
Udea ferrugalis on, development of 5591
Urentius hystricellus on, in Thailand 1200
Eggs, γ -BHC in, residues of 5782
Egypt
Aceria ficus in
 natural enemies of 208
 on fig 208, 2720
Afroginagathus tawfiki in, on *Tamarix gallica* 4590
Agrotis ipsilon in, on cotton 4018, 4364
Aonidiella aurantii in, on *Citrus* 334-335
 aphids in
 natural enemies of 178, 4773-4776
 on lucerne 3602
 on *Trifolium* 3602
Aphis craccivora in, on *Vicia faba* 3661
A. gossypii in
 natural enemies of 4360, 4776, 5506
 on cotton 3707, 3715-3716
Aspidiotus nerii in, on *Cassia* 3724
Asterolecanium pustulans in, on fig 2024
Asymmetrasca decedens in 4000
Autographa gamma in, on truck crops 4182
Bemisia tabaci in, on cotton 3707
 biological control in 2750
Bolacidothrips graminis in, natural enemies of 5506
Brevipalpus obovatus in 3440
Callosobruchus maculatus in 3898
 in stored cowpeas 6459
 on *Vigna unguiculata* 4083
Capitophorus elaeagni in, natural enemies of 4776

Egypt contd.

- Carpophilus obsoletus* in, in stored garlic 3780
- Cenopalpus lanceolatisetae* in, on fruit trees 3620
- C. pulcher* in
on apple 3442
on fruit trees 3620
on quince 3442
- Ceratitis capitata* in 1040
on peach 1647
- Ceroplastes floridensis* in, on *Citrus* 334–335
- Chilo agamemnon* in, on sugar-cane 230–231, 819
- Chrysomphalus aonidum* in
natural enemies of 5111
on *Citrus* 334–335, 5111
- Chrysopa carnea* in, in *Trifolium* fields 5531
- Cicadulina chinai* in, on maize 4828
- Coleophora parthenica* in 2758
- cotton in
pest control on 2579
pests of 4358
- Cryptoblabes gnidiella* in, in stored garlic 3780
- Cryptolestes spartii* in, in stored garlic 3780
- Cunaxa capreolus* in 6616
- Diaspidinae in, on fruit trees 7283–7284
- Earias insulana* in, on cotton 2546, 4018, 4364–4365, 4368, 4375, 7614
- eggplant in, pests of 3690
- Empoasca decipiens* in 4000
- E. distinguenda* in 4000
- E. lybica* in 4000
on cotton 3707
- Etiella zinckenella* in, on *Vigna unguiculata* 3665
- Eutetranychus orientalis* in
on eggplant 3693
on oil crops 4355
on *Phaseolus* 3662
- Heliothis* spp. in, on cotton 4364
- H. armigera* in, on cotton 899, 4018, 7614
- Hemiberlesia lataniae* in, on fig 2024
- Icerya purchasi* in, on *Sterchulia diversifolia* 3567
- Ischiodon aegyptius* in, in *Trifolium* fields 5531
- Lasioderma serricorne* in, in stored garlic 3780
- legumes in, pests of 3658
- Lepidoptera in 2579
- Lepidosaphes beckii* in, on *Citrus* 334–335
- Lindingaspis ferrisi* in 3511
- Liriomyza congesta* in
natural enemies of 4777
on *Vicia faba* 2925–2926, 4777

Egypt contd.

- lucerne in, insects associated with 3603
- maize fields in, insects in 3589
- maize in, pests of 3589, 4836
- mealybugs in, on grapevine and fig 4302
- medicinal plants in, insect pollinators of 2765
- Metasyrphus corollae* in, in *Trifolium* fields 5531
- mites in
on ornamental plants 3539
on vegetable crops 3539
- Mycetaspis personata* in 1381
- Myriochile melancholica* in 3472
- Nezara viridula* in, on *Citrus* 851
- Ophiomyia phaseoli* in
on *Vicia faba* 1448
on *Vigna unguiculata* 3665
- Paederus alfieri* in 4212
- Palpita unionalis* in, on olive 3642, 5588
- Panonychus ulmi* in
on peach 3619
on pear 3619
- Pectinophora gossypiella* in
natural enemies of 3704
on cotton 2546, 3002, 3702–3704, 4018, 4364–4365, 4368, 4375, 4977, 5646, 7614
- Pegomya mixta* in, on beet 4963
- Phthorimaea operculella* in, on potato 3685
- Phytomyza horticola* in, natural enemies of 4777
- potato in, pests of 3690
- Pseudococcus longispinus* in 4092
- Pseudonapomyza spicata* in, on maize 1945
- Rhopalosiphum maidis* in, natural enemies of 4776, 5506
- Sitona crinitus* in, on *Trifolium* 4299
- S. lividipes* in
on lucerne 1371
on *Trifolium* 1371, 4299, 4886
- Sitotroga cerealella* in, on wheat 5710
- soil arthropods in 4206
- soil insects in 4205
- soy bean in, pests of 3668
- Sphaerophoria rueppellii* in, in *Trifolium* fields 5531
- spiders in, in *Trifolium* fields 5412
- Spodoptera exigua* in, on cotton 4018, 4364
- S. littoralis* in 568, 5181–5182, 5403
natural enemies of 1912, 5506
on cotton 1485, 2094, 2546, 3501, 3895, 4018, 4359, 4363–4365, 4974–4976, 5645, 7614
on oil crops 4355
on tomato 3666
on *Vigna unguiculata* 3666
- sterile-insect release in 5126

Egypt *contd.*

- Syngrapha circumflexa* in, on truck crops 4182
- Tetranychus arabicus* in
on cotton 891, 3001
on fig 2720, 2891
- T. cinnabarinus* in 4606
natural enemies of 5639
on cotton 3274, 5639
on *Vigna unguiculata* 3665
- T. cucurbitacearum* in
natural enemies of 3662
on cotton 891, 3001
on cucurbits 1445
on eggplant 3693
on oil crops 4355
on *Phaseolus* 3662
- T. turkestanii* in, on cotton 3707
- T. urticae* in 4606
on groundnut 5986
on *Phaseolus* 6935
on *Vigna unguiculata* 5986
on watermelon 5986
- Thrips tabaci* in, on cotton 4366, 4369
- tomato in, pests of 3690
- Trifolium alexandrinum* in, insects
associated with 3603
- wheat flour in, pests of 451
- Eichhornia azurea**
Cornops aquaticum on
in Argentina 2762
in Uruguay 2762
- Orthogalumna terebrantis* on, in
Argentina 3458
- Eichhornia crassipes**
Arzama densa on
and biological control using 2971
in USA 2747
- Cornops aquaticum* on
and biological control using, in USA 2762
in Argentina 2762
in Uruguay 2762
- Eugaurax setigena* on
in Guyana 2756
in Surinam 2756
- Neochetina* spp. on 3458
- N. bruchi* on 3563
and biological control using, in USA 6658
- N. eichhorniae* on
and biological control using 2747
in USA 3563, 6658
- Orthogalumna terebrantis* on, in
Argentina 3458
pathogens of, in USA 2747
pests of 2748
- Eichhornia paniculata**, *Eugaurax setigena*
on, in Guyana 2756
- eichhorniae**, *Neochetina*
- Eicosanoic acid**, in *Anastrepha suspensa*,
effects of age on 5310

Eisenia foetida

- carbofuran in
metabolism of 1684
toxicity of 1684
- Ekalux** (see Quinalphos)
- Ekatin** (see Thiometon)
- Ekatox** (see Parathion)
- Ekedrin** (see Endrin, with thiometon)
- El Salvador**
Aleurocanthus woglumi in
natural enemies of 1429
on *Citrus* 1429
- Elachertus inunctus**
biology of 4389
descriptions of 4389
in West Germany 4389
parasitising, *Agevillea abietis*, in West
Germany 4389
- Elachiptera insignis**
in Japan 1355
in rice-fields, in Tokushima Prefecture 1355
seasonal abundance of 1355
- elaecagni**, *Capitophorus*
- elaeidis**, *Coelaenomenodera*
- elaeidis**, *Hispoleptis*
- Elaeis guineensis** (see Oil palm)
- Elaeis guineensis** × *E. melanocera*, disease
resistance in 4452
- elaeis**, *Retracrus*
- Elaphrus**
activity in 1295
in Quebec 1295
- Elasmidae**, taxonomy of 4607
- elasmopalpi**, *Orgilus*
- Elasmopalpus lignosellus**
antennal pheromone receptors in 1460
biology of 4344
control of 4344
crop management for 264
insecticides for 706, 2054, 4342, 4953
flight activity in 4700
in Barbados 1304
in Brazil 2054, 4700, 4953
in Jamaica 264
in Peru 706
in Puerto Rico 1975
in Trinidad and Tobago 1304
in USA 1460, 3678, 4342-4344
locomotory activity in 4124
mating in, effects on locomotory activity
of 4124
on *Digitaria decumbens*, in Puerto Rico 1975
on groundnut
in Oklahoma 3678, 4343
in Texas 4342, 4344
in USA 1460
resistance to 4343
on maize, in Peru 706
on soy bean, in Brazil 2054, 4953

***Elasmopalpus lignosellus* contd.**

- on sugar-cane
- damage caused by 264
- in Barbados 1304
- in Jamaica 264
- parasites of, in Oklahoma 3678
- parasitised by

- Agathis rubricinctus*, in Trinidad 1304
- Apanteles* spp., in Oklahoma 4343
- Macrocentrus* spp., in Trinidad 1304
- Orgilus elasmopalpi*, in Oklahoma 4343

- Plagiprospherysa trinitatis*, in Trinidad 1304

- Pristomerus spinator*, in Oklahoma 4343

- rearing of, techniques for 1304, 2562
- sex pheromone of 1460
- traps for 1460

Elasmus

- parasitising

- Chaphalocrocis medinalis*, in Kerala 2798

- Cydia pseudonectis*, in Madhya Pradesh 7203

Elasmus flabellatus

- in France 2722
- parasitising, *Eublemma scitula*, in France 2722

Elasmus fumipennis* 7203**Elasmus zehntneri***

- in India 3576
- parasitising, *Tryporyza nivella*, in Andhra Pradesh 3576

Elateridae

- control of
- baits for 7377
- insecticide-herbicide mixtures for 7398
- traps for 5398
- heap traps for 3517
- in Mongolia 4142
- in Sweden 3517
- in USSR 2627, 5398
- in Yugoslavia 4771
- in pasture soil, factors affecting populations of 1367
- in sugar-beet fields, in Yugoslavia 2598
- in wheat fields, in Yugoslavia 2598
- keys to 6995
- literature on 3353
- on barley, in England 4827
- on oats, in Finland 4833
- on potato
- in Byelorussia 7377
- in USSR 1876
- on sugar-beet
- in England 4345
- pollination by 4345
- on sunflower, in Yugoslavia 4972
- on tobacco, in North Carolina 7398
- on wheat, in England 4827

Elateridae contd.

- preyed on by, *Leptogaster cylindrica*, in USSR 1876
- sterilisation of, chemosterilants for 5398
- taxonomy of, characters for, wing venation as 6995

Elatobium abietinum

- control of, crop management for 5035
- in UK 5035, 6216
- in West Germany 5684
- on *Picea sitchensis*
- effects of fertilizers on 5035
- in Scotland 6216
- in UK 5035
- overwintering in 6216
- supercooling of, effects of food-plant on 6470

Eldana saccharina

- biology of 232, 257, 260
- in Tanzania 257, 260
- on sugar-cane
- damage caused by 260
- in East Africa 232
- in Tanzania 257, 260
- parasitised by, *Apanteles sesamiae*, in East Africa 232
- preyed on by

- Pheidole megacephala*, in Tanzania 260

- Proctolaelaps* spp., in Tanzania 260

Elder (see *Sambucus*)**Elder, American (see *Sambucus canadensis*)****Elder, box (see *Acer negundo*)*****Eleanthus excelsa*, *Indarbela* spp. on, in Haryana 2867*****electellum*, *Homoeosoma******electilis*, *Apanteles*****Electric conductivity, in soil, effects on aldrin and BHC of 3329****Electric fields, responses of *Melolontha melolontha* to 3467*****elegans*, *Aptinothrips******elegans*, *Choetopsila******elegans*, *Ips*, (*Pityokteines*)*****elegans*, *Oryctes******Elenchus yasumatsui***

- sp. nov., description of 2347

- in Thailand 2347

- parasitising

- Nilaparvata lugens*, in Thailand 2347

- Sogatella furcifera*, in Thailand 2347

Eleodes

- defensive behaviour in 2403

- defensive secretion in 2403

Eleodes hispilabris

- in USA 2778

- in soil, textural preferences of 2778

Eleodes obsoleta

- in USA 2778

- in soil, textural preferences of 2778

Eleodes opaca

- in USA 2778

Subject Index

- Eleodes opaca* *contd.*
in soil, textural preferences of 2778
- Eleodes suturalis*
in USA 2778
in soil, textural preferences of 2778
- Eleodes tricostata*
in USA 2778
in soil, textural preferences of 2778
- elephas, Curculio*
(*Balaninus*)
- Elettaria cardamomum*, cardamom mosaic virus in, in Karnataka 145
- Elettaria cardamomum* (stored fruit), pest control in, fumigants for 3571
- Eleusine coracana*
Asura conferta on, in Karnataka 4762
eleusine mosaic virus in, leafhopper transmission of 4844
Helminthosporium nodulosum in, damage caused by 5509
Hysteronura setariae on effects of fertilizers on 2797
in Tamil Nadu 2797
Mocis frugalis on damage caused by 3578
in Karnataka 3578
Mythimna separata on damage caused by 6686
in Karnataka 6686
Plusia signata on, in Tamil Nadu 1847
Spalis pennatula on 6790
Sogatella longifurcifera on, damage caused by 5509
Tetraneura nigriabdominalis on, in Karnataka 286
- Eleusine mosaic virus
in
Cicadulina bipunctella, transmission of 4844
Eleusine coracana, leafhopper transmission of 4844
- elgonensis, Acrotylus*
- Elimaea*, on *Phaseolus aureus*, in Malaysia 861
- elimatus, Dalbulus*
- elisis, Lygus*
- Ellimenistes laeicollis*
control of
insecticides for 1497
sticky barriers for 1497
in South Africa 1497
on coffee
damage caused by 1497
in South Africa 1497
on sugar-cane, in South Africa 1497
seasonal abundance of 1497
- Ellingsenius fulleri*
in South Africa 5954
pest of honeybee, in South Africa 5954
- Ellingsenius sculpturatus*
in South Africa 5954
pest of honeybee, in South Africa 5954
- elliotti, Aulocara*
- ello, Erinnyis*
- Elm (see *Ulmus*)
- Elm, American (see *Ulmus americana*)
- Elm, Commelin (see *Ulmus carpinifolia* × *U. hollandica*)
- Elm, English (see *Ulmus procera*)
- Elm, Huntingdon (see *Ulmus* × *hollandica*)
- Elm, Wheatley (see *Ulmus carpinifolia*)
- Elocron (see *Dioxacarb*)
- Elodea*, metalkamate in, effects of 523
- Elodia tragica*
in Austria 3252
parasitising, *Cydia pomonella*, in Austria 3252
- elongata, Cetema*
- elongatum, Apion*
- elongatum, Nemozoma*
- elongatus, Conorhynchus*, (*Temnorhinus*)
- elongella, Stenachroia*
- elpenor, Deilephila*, (*Pergesa*)
- Elsan (see *Phenthoate*)
- elutella, Ephestia*
- Embaphion muricatum*
in USA 2778
in soil, textural preferences of 2778
- Embiotoca lateralis*, DDE in, residues of 6409
- Embllica officinalis* (see *Phyllanthus emblica*)
- Embolemidæ
in British Isles 5231
keys to 5231
- embryophagum, Trichogramma*
- Emerus obliquus*
descriptions of 1247
in Rhodesia 1247
- Emex australis*
Apion antiquum on
and biological control using, in Hawaii 4241
in South Africa 4241
- Emex spinosa, Apion antiquum* on,
development of 4241
- Emmalocera depressella*
control of, insecticides for 816
food-plants of 233
in India 233
in Pakistan 816
on sugar-cane
in India 233
in Pakistan 816
- Emphytus cinctus* (see *Allantus*)
- Empidæ
on sugar-beet
in England 4345
pollination by 4345
- Empis livida*
in UK 800
preying on, *Hylemya coarctata*, in England 800

Empoasca

- control of, insecticides for 4982–4983
- on cotton
 - in California 889
 - in Malawi 4983
 - in Uganda 1487
 - in Zambia 4982
 - resistance to 1487
- on soy bean
 - in Egypt 3668
 - varietal preference of 3668
- on *Vigna unguiculata*, resistance to 7353
- Spiroplasma citri* in, not infective 5722

Empoasca abrupta, on melon, resistance to 3656**Empoasca citrura**

- sp. n., description of 1430
- in South Africa 1430
- on *Citrus grandis*, in South Africa 1430
- on orange, in South Africa 1430
- on potato, in South Africa 1430
- on *Ricinus communis*, in South Africa 1430
- taxonomy of, misidentified as *E. fabae*, in South Africa 1430

Empoasca decipiens

- biology of 3510
- control of 3510
- food-plants of 3510
- in Bulgaria 3510
- in Egypt 3690, 4000, 4168
- on *Capsicum*, in Egypt 3690
- on potato, in Egypt 3690
- on tomato, in Egypt 3690
- seasonal abundance of 3690
- taxonomy of
 - characters distinguishing *Asymmetrasca decedens* and 4000
 - characters distinguishing *E. distinguenda* and 4000
 - characters distinguishing *E. lybica* and 4000
- traps for 4168

Empoasca devastans (see *Amrasca*)**Empoasca distinguenda**

- in Egypt 4000
- taxonomy of
 - characters distinguishing *Asymmetrasca decedens* and 4000
 - characters distinguishing *E. decipiens* and 4000
 - characters distinguishing *E. lybica* and 4000

Empoasca fabae

- control of, insecticides for 2927
- in Puerto Rico 2927
- in USA 309, 3464, 3499
- migration in 3464
- on lucerne
 - in Iowa 3464
 - in Michigan 3499
 - in Nebraska 309

Empoasca fabae contd.

- on lucerne contd.
 - non-target effects of insecticides on 309
 - resistance to 2835
 - role of saponins in 308
- on *Phaseolus vulgaris*, in Puerto Rico 2927
- on soy bean, in Iowa 3464
- taxonomy of, *Empoasca citrura* misidentified as, in South Africa 1430

Empoasca flavescens

- in Poland 1335, 5590
- on *Digitalis lanata*, in Poland 1335
- on *Valeriana officinalis*, in Poland 1335

Empoasca kerri

- control of, insecticides for 6770, 6778, 7345
- in India 6770, 6778, 7345, 7355
- on *Cajanus cajan*, in India 6770
- on *Phaseolus mungo*, in India 6770
- on soy bean, in India 6778
- on *Vigna mungo*, in Delhi 7345
- on *Vigna radiata*

- effects of mung bean yellow mosaic virus on susceptibility to 7349
- in Delhi 7345
- on *Vigna unguiculata*, in Delhi 7355

Empoasca kerri motti

- on eggplant, development of 157
- on *Gossypium arboreum*, development of 157
- on *Gossypium herbaceum*, development of 157
- on *Gossypium hirsutum*, development of 157
- on potato, development of 157
- on *Ricinus communis*, development of 157

Empoasca lybica

- control of, insecticides for 3707, 4358
- in Egypt 395, 3690, 3707, 4000, 4358
- on cotton
 - effects of inorganic nitrogen on 395
 - in Egypt 395, 3707, 4358
- on eggplant, in Egypt 3690
- seasonal abundance of 3690
- taxonomy of

- characters distinguishing *Asymmetrasca decedens* and 4000
- characters distinguishing *E. decipiens* and 4000
- characters distinguishing *E. distinguenda* and 4000

Empoasca pteridis

- in Poland 1335, 5590
- on *Digitalis lanata*, in Poland 1335
- on *Valeriana officinalis*, in Poland 1335
- parasitised by, Dryinidae, in Poland 5590

Empoasca vitis

- biology of 1993
- control of, insecticides for 1993
- in France 1993
- on *Actinidia chinensis*
 - damage caused by 1993
 - in France 1993
- on grapevine, damage caused by 1993

Empoascini*, in Africa- 6047**Enaphalodes rufulus***

- fertility in, effects of light on 4079
- in USA 5065
- in *Quercus* timber, in USA 5065
- vitamins in, effects of light on 4079

Enarmonia formosana

- in East Germany 2866
- on apple, in East Germany 2866
- on cherry, in East Germany 2866
- on peach, in East Germany 2866

Encarsia*, parasitising, *Aleurothrixus floccosus*, in Morocco 6124**Encarsia formosa***

- cost of biological control using 979
- development in, effects of temperature on 7121
- dimethoate in, toxicity of 7583
- dioxathion in, toxicity of 7583
- fungicides in, toxicity of 5810-5811
- in Canada 1694
- insecticides in, toxicity of 1694
- oviposition in 984
- parasitising

***Trialeurodes vaporariorum* 984, 5465, 5810-5811, 7121**

- and biological control using 490, 6918
- in Bulgaria 6919
- in Netherlands 978, 4512, 6903, 6909
- in New York 1639
- in Norway 973
- in Poland 1694
- in Sweden 975, 6909
- in UK 6151
- in USSR 6638

whiteflies 6175

- quinomethionate in, toxicity of 6919
- rearing of, techniques for 5465, 6909

Encephalartos villosus*, *Demyrsus meleoides* on, in Italy 3726**Enchytraeidae***

- in pasture soil, factors affecting populations of 1367
- in pastures, effects of insecticides on 2834
- preyed on by, Staphylinidae 1219

Encyrtidae

- hosts of 1911
- in Argentina 674
- parasitising
- Lepidoptera, in Switzerland 2128

Encyrtidae contd.**parasitising contd.*****Saccharicoccus sacchari*, in Sri Lanka 817****Syrphidae, in Poland 185*****encyrtoides*, *Systasis******Encyrtus fuscicollis* (see *Ageniaspis*)*****Encyrtus infelix*, parasitising, *Saissetia coffeae* 3729*****Encyrtus infidus***

- biology of 7186
- in USSR 7186
- parasitising
- Eulecanium caraganae* 6014
- in USSR 7186

Encyrtus lecaniorum

- in Turkey 1427
- parasitising, *Coccus hesperidum*, in Turkey 1427

endema*, *Pectinophora***Endive* (*Cichorium endivia*)**

- Leptinotarsa decemlineata* on, imported into UK 2275

***Pemphigus bursarius* on**

- in Switzerland 2912
- in West Germany 347

Endomyces hylecoeti*, in, *Fagus*, in Austria 438**Endosulfan* (6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide) adjuvants for, Triton B-1956 as 1424 against**

- Abacarus hystrix*, on *Lolium* 6703
- Acanthomia tomentosicollis*, on bean 510
- Acanthoscelides obtectus*, in stored seeds 453
- Adelges* spp., on *Picea* 4419
- Adoretus brachypygus*, on grapevine 4888
- A. duvauceli*, on grapevine 4888
- Aeneolamia varia* 1365
- Agriotes* spp. 152
- Agrotis ipsilon*, on lettuce 987
- A. segetum* 511, 3894
- on potato 2965
- Ammalo helops*, on *Ficus* 5574
- Amrasca biguttula* on cotton 1484
- on okra 6760
- A. devastans*, on eggplant 884
- Anomis flava*, on okra 4928
- Aphanostigma iaksuiense*, on pear 2017

aphids

- on tobacco 7399
- on *Vicia faba* 5602
- Aphis craccivora*, on groundnut 1459
- A. fabae*, on *Vicia faba* 4936
- A. gossypii* 4934
- on cotton 1484, 2087, 4361

Endosulfan contd.

against contd.

Aphis gossypii contd.

on eggplant 884

A. pomi, on apple 1418*Atherigona soccata*, on sorghum 6067

bark beetles 4418

Bemisia tabaci 392

on cotton 3005

on soy bean 1458

bollworms, on cotton 7391

Bruchophagus platypterus, on clover 690*Caliothrips fasciatus*, on cotton 4361*Campylomma livida*, on apple 6109*Cassida nebulosa*, on sugar-cane 7368*C. nobilis*, on sugar-cane 7368*Cecidophyopsis ribis*, on black currant 1397*Ceutorhynchus assimilis*, on rape 1480*Chilo infuscatellus*, on sugar-cane 6667*C. partellus*

on maize 4840

on sorghum 4871

C. polychrysus, on rice 1951, 4849*C. suppressalis*, on rice 1951

Cicadellidae 6975

on cotton 7391

Cicinnus callipius, on *Anacardium occidentale* 4892*Cnaphalocrocis medinalis* 3291

on rice 827

Coccus viridis, on coffee 6800*Crocidolomia binotalis* 6147*Cryptoblabes gnidiella*, on sorghum 6068*Dasineura brassicae*, on rape 1480*Diacrisia obliqua* 863*Diaphorina citri*, on orange 341*Drosicha mangiferae*, on mango 1436*Dysdercus supersticiosus*, on cotton 2087*Earias* spp., on cotton 1484*E. biplaga* 3207*E. insulana* 3207*E. vittella*, on cotton 2093*Empoasca decipiens* 3510*E. kerri* 6770*Enneothrips flavens*, on groundnut 7361*Epitrimerus pyri*, on pear 1424*Eriophyes similis*, on plum 6737*Eugnorisma miniago*, on grapevine 2858*Euphyllura olivina*, on olive 5587*Eupterote canaraica*, on coffee 3019*Euschistus heros*, on soy bean 367*Exelastis atomosa* 6770*Galleria mellonella* 517

in beehives 2260

Endosulfan contd.

against contd.

Gargaphia sanchezi, on *Phaseolus vulgaris* 4940*Haplodiplosis marginata*, on wheat 1942*Heliothis* spp.

on cotton 1049

on lucerne 1986

H. armigera 6770

on maize 824

on sorghum 6069

on *Trifolium* 7282*H. subflexa*, on *Physalis* 783*H. virescens*, on *Physalis* 783*Helopeltis antonii*, on cashew 7298*Javesella pellucida*, on wheat 1943*Keiferia lycopersicella*, on tomato 882*Lacanobia oleracea* 1598*Lachnosterna consanguinea*, on pea 999

Lepidoptera, on sugar-cane 816

Leucinodes orbonalis, on eggplant 884, 3694, 5634*Lipaphis erysimi* 2294, 7190

on mustard 4545

Longitarsus nigripennis, on *Piper nigrum* 1928*Lygus lineolaris*

on celery 7527

on potato 7527

Macrosiphum avenae, on oats 2256*M. rosae*, on rose 1499*Madurasia obscurella* 6770*Maruca testulalis*, on *Vigna unguiculata* 7356*Melanaphis sacchari*, on sorghum 5952

Miridae

on carrot 2067

on parsley 2067

Monopis leuconeurella, on mango 3643*Nezara viridula*, on soy bean 367

Noctuidae 152

Ophiomyia phaseoli 6770*Ostrinia nubilalis*, on maize 2795, 5505*Oulema melanopus*, on oats 2256*Pachyrhinadoretus rugipennis*, on grapevine 4888*Palpita nitidalis*, on cucumber 357*Panaphis juglandis*, on walnut 1413*Pectinophora gossypiella*, on cotton 1484

pests of cabbage 4932

pests of cotton 3008, 4376, 6188

pests of lucerne 4294

pests of pea 6775

pests of rice 1356

Phaenacantha saccharicida, on sugar-cane 259

Endosulfan contd.

against contd.

- Phthorimaea operculella*, on potato 7379
- Phytoptus avellanae*, on hazel 1412
- Piezodorus guildini*, on soy bean 367
- Plusia argentifera* 6957
- Quadraspidiotus perniciosus*, on apple 328
- Rhyzopertha dominica* 6395
- in stored rice 3783
- Schizonycha ruficollis*, on grapevine 4888
- Schoenobius dodatellus*, on rice 1951
- Scirpophaga incertulas*, on rice 1951, 4849, 7269
- Sesamia inferens*, on rice 1951
- Sitophilus oryzae*, in stored rice 3783
- Sitotroga cerealella*, in stored rice 3783
- Sundapteryx biguttula*, on eggplant 1477
- Tarsonemus pallidus*, on strawberry 5544
- Tephritina arenacearia*, on lucerne 1986
- Tetranychidae, on cotton 1049
- Tetranychus* spp., on cotton 4361
- thrips, on apple 6109
- Thrips imaginis*, on apple 4312
- T. tabaci*, on tobacco 7399
- Tirathaba mundella*, on oil palm 1991
- Trialeurodes vaporariorum* 490, 1694
- Tribolium castaneum* 1037
- Udea ferrugalis* 3510
- bioassay for, in *Drosophila melanogaster* 6976
- DDD, in tobacco, residues of 532
- DDT, in tobacco, residues of 532
- detection of 126
- determination of 6560
- in *Achaea janata*
- effects on water loss of 6398
- increasing excretion and water loss 3893
- in *Adonia variegata*, toxicity of 1499
- in *Amblyseius fallacis*, not toxic 3902
- in *Apanteles glomeratus*, toxicity of 6965
- in *Aphis gossypii*, effects of food-plant on susceptibility to 4934
- in *Apis cerana*, toxicity of 7672
- in *Apis mellifera*, toxicity of 1043
- in aquatic organisms, toxicity of 2643
- in bees, repellent effects of 4312
- in *Cajanus cajan*, residues of 6975-6976
- in *Cheilomenes lunata*, toxicity of 2087
- in Chinese cabbage, pollen sterility caused by 7337
- in *Chlorella vulgaris*, effects of 2643
- in *Chrysopa carnea*, toxicity of 1499
- in *Chrysopa zastrowi*, toxicity of 5469
- in *Coccinella septempunctata*
- effects of 5195

Endosulfan contd.

- in *Coccinella septempunctata* contd.
- toxicity of 1499, 6967, 7190
- in cotton, effects on yield and fibre quality of 7392
- in cotton fields, effects on predacious arthropods of 1049
- in *Cyprinus carpio*, toxicity of 1696
- in *Encarsia formosa*, toxicity of 1694
- in *Episyrphus balteatus*, toxicity of 1499
- in honey bees, toxicity of 517, 2984
- in *Lagenaria vulgaris*, toxicity of 1446
- in *Manduca sexta*, effects on hemolymph of 7088
- in *Menochilus sexmaculatus*, toxicity of 2294
- in *Metaseiulus occidentalis*, toxicity of 6109
- in *Momordica charantia*, toxicity of 1446
- in mouse intestine, inhibiting active transport of glucose 1686
- in okra, persistence of 6760
- in *Phaseolus mungo*, residues of 6975-6976
- in potato, residues of 1062
- in soil, degradation of 1062
- in spiders, toxicity of 2087
- in tobacco, residues of 2305
- in tomato, residues of 5769
- in *Trichogaster pectoralis*, toxicity of 1693
- in *Trichogramma*, toxicity of 783
- in *Typhlodromus pyri*, not toxic 3902
- in *Xanthogramma scutellare*, toxicity of 2294
- resistance to, in
- Mamestra brassicae*, effects of food-plant on 67
- Popillia japonica*, in New York 4290
- Trialeurodes vaporariorum* 5794
- with aldicarb, against, *Sundapteryx biguttula*, on eggplant 1477
- with DDT, and methyl-parathion, against, *Isaniris decorsei*, on cotton 3009
- with dichlorvos, against, *Aceria phloeocoptes*, on plum 848
- with dimethoate
- against
- Agrotis ipsilon*, on lettuce 2661, 5750
- Peridroma saucia*, on lettuce 2661
- with disulfoton, against, *Sundapteryx biguttula*, on eggplant 1477
- with fenitrothion
- against
- Galleria mellonella* 517
- in beehives 2260
- in honey bees, toxicity of 517
- with heptachlor, against, *Haplodiplosis marginata*, on wheat 1942
- with leptophos, against, *Keiferia lycopersicella*, on tomato 882

Endosulfan contd.

- with methyl-parathion
 - against
 - Agrotis segetum* 511, 3894
 - Haplodiplosis marginata*, on wheat 1942
 - with mevinphos, against, *Agrotis segetum* 511, 3894
 - with molasses
 - against
 - Heliothis* spp., on cotton 1049
 - Tetranychidae, on cotton 1049
 - in cotton fields, effects on predacious arthropods of 1049
 - with monocrotophos, against, *Agrotis segetum* 511
 - with naled, against, *Aceria phloeocoptes*, on plum 848
 - with oil emulsion
 - against
 - aphids, on *Vicia faba* 5602
 - Epitrimerus pyri*, on pear 1424
 - Hypothenemus hampei*, on coffee 4987
 - Panonychus ulmi*, on apple 2882
 - with parathion
 - against
 - Agrotis ipsilon*, on lettuce 2661
 - Keiferia lycopersicella*, on tomato 882
 - Peridroma saucia*, on lettuce 2661
 - with phorate
 - against
 - Cicadellidae 6975
 - Sundapteryx biguttula*, on eggplant 1477
 - with phosmet
 - against, *Galleria mellonella* 517
 - in honey bees, toxicity of 517
- Endosulfan alcohol** (see Bicyclo[2.2.1]hept-5-ene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro-)
- Endosulfan ether** (see 4,7-Methanoisobenzofuran, 4,5,6,7,8,8-hexachloro-1,3,3a,4,7,7a-hexahydro-)
- Endosulfan hydroxyether** (see 4,7-Methanoisobenzofuran-1-ol, 4,5,6,7,8,8-hexachloro-1,3,3a,4,7,7a-hexahydro-)
- Endosulfan lactone** (see 4,7-Methanoisobenzofuran-1(3H)-one, 4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-)
- Endosulfan sulfate** (see 6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-, 3,3-dioxide)
- Endothion** (*S*[(5-methoxy-4-oxo-4*H*-pyran-2-yl)methyl] *O,O*-dimethyl phosphorothioate)
 - against, *Monosteira unicastata*, on almond 1406

Endria inimica

in USA 5935

in irrigated pastures

in Nebraska 5935

sampling of 5935

- Endrin** ((1 α ,2 β ,2a β ,3 α ,6 α ,6a β ,7 β ,7a α)-3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-2,7:3,6-dimethanonaphth[2,3-*b*]oxirene)
 - against
 - Achaea janata*, on *Ricinus communis* 885
 - Agrotis* spp., on maize 1341
 - Ammalo helops*, on *Ficus* 5574
 - Amrasca devastans*, on okra 4929
 - Anarsia epotias*, on *Anacardium occidentale* 151
 - Antigastra catalaunalis* 2079
 - Aphis gossypii* 4934
 - Athalia lugens*, on radish 356
 - Atherigona soccata*, on sorghum 4871
 - Bruchophagus platyperus*, on clover 690
 - Calisto pulchella*, on sugar-cane 7224
 - Catochrysops strabo*, on *Cajanus cajan* 4955
 - Ceratitis capitata* 1038
 - Chalcodermus bimaculatus*, on *Vigna unguiculata* 4946
 - Chilo infuscatellus*, on sugar-cane 6667
 - C. partellus*, on sorghum 4871
 - C. polychrysus*, on rice 1951
 - C. suppressalis*, on rice 1951
 - Cicinnus callipius*, on *Anacardium occidentale* 4892
 - Cnaphalocrocis medinalis*, on rice 827
 - Crociodolomia binotalis* 6147
 - Diatraea centrella*, on sugar-cane 229
 - D. grandiosella*, on maize 703
 - D. saccharalis*, on maize 704
 - Dichocrocis punctiferalis*, on *Ricinus communis* 885
 - Earias* spp., on okra 4929
 - Elasmopalpus lignosellus*, on soy bean 2054, 4953
 - Exelastis atomosa*, on *Cajanus cajan* 4955
 - Heliothis armigera*
 - on *Cajanus cajan* 4955
 - on cotton 3179
 - on *Trifolium* 7282
 - H. virescens* 6934
 - H. zea*, on maize 703
 - Lepidoptera, on sugar-cane 816
 - Leucinodes orbonalis*, on eggplant 3694
 - Lipaphis erysimi* 2294, 7190
 - on mustard 4545
 - Monopis leuconeurella*, on *Anacardium occidentale* 151
 - Mythimna unipuncta* 6663

Endrin contd.

against contd.

- Nilaparvata lugens*, on rice 1964
- Ophiomyia phaseoli*, on *Vicia faba* 1448
- Orseolia oryzae*, on rice 6064
- pests of cabbage 4932
- pests of cotton 2092
- pests of oil palm 4452
- pests of rice 713
- Plusia argentifera* 6957
- Plutella xylostella*, on cauliflower 2044
- Sagalassa valida*, on oil palm 1990
- Schoenobius dodatellus*, on rice 1951
- Scirpophaga incertulas*, on rice 1951, 3599
- Sesamia inferens*, on rice 1951
- Spodoptera eridania* 699
- S. exigua* 3904
- S. frugiperda* 699
 - on maize 703
- S. littoralis* 1488, 3896, 5182
- S. litura* 2291
 - on *Ricinus communis* 885
- Sufetula diminutula*, on oil palm 1990
- Sundapteryx biguttula*, on eggplant 1477
- Thrips tabaci*, on cotton 893
- Tribolium castaneum* 1026, 1037, 2291
- determination of 6560
- environmental pollution with 536
- formulations of
 - carriers for 3896
 - effects of diluents on effectiveness of 2291
- in *Achaea janata*, increasing excretion and water loss 3893
- in *Aphis gossypii*, effects of food-plant on susceptibility to 4934
- in *Aquila chrysaetus*, residues of 3324
- in *Coccinella septempunctata*, toxicity of 7190
- in *Corcyra cephalonica*, bioassay for 5921
- in *Cyprinus carpio*, toxicity of 1696
- in *Lagenaria vulgaris*, toxicity of 1446
- in *Lixophaga diatraeae*, toxicity of 6026
- in maize, residues of 703
- in *Menochilus sexmaculatus*, toxicity of 2294
- in *Momordica charantia*, toxicity of 1446
- in mouse intestine, not inhibiting active transport of glucose 1686
- in *Nomuraea rileyi*, not inhibiting growth 3823
- in rice
 - determination of 829-830, 5921
 - effects on yield of 831
 - residues of 830
- in rivers, residues of 5787
- in soil, effects on bacteria and nutrient status of 831

Endrin contd.

- in soy bean, residues of 4953
- in *Spodoptera littoralis*
 - effects of 5797
 - effects of gossypol on susceptibility to 1488
- in tobacco, residues of 2305
- in *Tribolium castaneum*, effects of diet on susceptibility to 1026
- in *Trichogaster pectoralis*, toxicity of 1693
- in *Vigna unguiculata*, effects on root nodulation of 7354
- in wheat, effects on amino acids of 274
- in wheat flour, determination of 829
- in *Xanthogramma scutellare*, toxicity of 2294
- resistance to, in
 - Earias biplaga*, in Malagasy Republic 3207
 - E. insulana*, in Malagasy Republic 3207
 - Heliothis armigera*, in New South Wales 3701
- Spodoptera littoralis*
 - and cross-resistance to growth regulators 7651
 - in Egypt 5181
- use of, in Indonesia, restrictions on 713
- with DDT
 - against
 - Earias biplaga*, on cotton 3207
 - E. insulana*, on cotton 3207
 - Heliothis armigera*, on cotton 2558
 - pests of cotton 4376
- with dicotophos
 - against
 - Earias insulana*, on cotton 4365
 - Pectinophora gossypiella*, on cotton 4365
- Spodoptera littoralis* 5179
- Syringopais temperatella*, on barley 2786
 - in *Spodoptera littoralis*, effects of temperature on susceptibility to 5179
- with dimethoate, against, pests of groundnut 1461
- with malathion
 - against
 - Amrasca devastans*, on eggplant 884
 - Aphis gossypii*, on eggplant 884
 - Leucinodes orbonalis*, on eggplant 884
- with thiometon, against, *Heliothis armigera*, on sorghum 6069
- enecator*, *Trichomma*
- engeli*, *Rhizoglyphus*
- Enicospilus ramidulus*
 - in USSR 5458
- parasitising, *Agrotis segetum*, in Uzbekistan 5458

Enicospilus sakaguchii

in Japan 815

parasitising, *Sesamia inferens*, in
Kagoshima Prefecture 815***Enicospilus tournieri***

in USSR 5458

parasitising, *Agrotis segetum*, in
Uzbekistan 5458***enigma*, *Oedaleonotus******Enneothrips flavens***control of, insecticides for 368, 1461,
7361

in Brazil 368, 1461-1462, 7361

on groundnut

damage caused by 1461-1462

in Brazil 368, 1461-1462, 7361

ennomophagus*, *Ooencyrtus***Ennomos quercinaria***

in Norway 117

in West Germany 117

on deciduous trees, in Norway 117

Ennomos subsignarius

in USA 192, 909, 2147, 2339, 5307

life-span in, effects of diet on 4094

on *Carya*, development of 5307on *Carya glabra* 4094on *Carya tomentosa* 4094on *Quercus*, development of 5307on *Quercus rubra* 4094*Ooencyrtus clisiocampae* not parasitising
5999*O. kuwanai* not parasitising 5999

parasitised by

Actia ontario, in Connecticut 2147*Ooencyrtus* spp., in Connecticut 192,
909, 2147*O. ennomophagus* 2471, 5999

in Connecticut 2339

Telenomus alsophilae, in Connecticut
2147

rearing of, diets for 3509

***ennomus*, *Ooencyrtus* (see *O.*
ennomophagus)**ENP (see Benzene, 1,1'-(2-
nitropropylidene)bis[4-ethoxy-])

Ensifera, in Indiana 2362

ensiger*, *IbaliaENT-26864 (see Piperidine, 2-methyl-1-(3-
methylbenzoyl)-)ENT-27041 (see Benzo[δ]thiophene-4-ol,
methylcarbamate)ENT-27931 (see Phosphorothioic acid, *O*-(4-
bromophenyl) *O*,*O*-dimethyl ester)ENT-27932 (see Phosphorothioic acid, *O*-(3-
bromophenyl) *O*,*O*-dimethyl ester)ENT-27933 (see Phosphorothioic acid, *O*-(2-
bromophenyl) *O*,*O*-dimethyl ester)ENT-27934 (see Phosphorothioic acid, *O*-(4-
fluorophenyl) *O*,*O*-dimethyl ester)ENT-27935 (see Phosphorothioic acid, *O*-(2-
fluorophenyl) *O*,*O*-dimethyl ester)ENT-27936 (see Phosphorothioic acid, *O*-
(2,5-dibromophenyl) *O*,*O*-dimethyl ester)ENT-27937 (see Phosphorothioic acid, *O*-
(2,4-dibromophenyl) *O*,*O*-dimethyl ester)ENT-28984 (see Piperidine, 1-(3-
chlorobenzoyl)-3-methyl-)ENT-29117 (see Cyclopropanecarboxylic
acid, 2,2-dimethyl-3-[(tetrahydro-2-oxo-3-
thienylidene)methyl]-, [5-(phenylmethyl)-
3-furanyl]methyl ester, [1*R*-[1 α ,3 α (*E*)]-])ENT-34070 (see Benzene, 1-chloro-4-[1-[2-
(2-ethoxyethoxy)ethoxy]ethoxy]-)ENT-50761 (see Phosphinic acid, bis(1-
aziridinyl)-, ethyl ester)ENT-62469 (see Phosphonic diamide,
N,N,N',N'-tetramethyl-*P*-propyl-)ENT-70143 (see Oxazolidine, 3-acetyl-2-
(2,6-dimethyl-5-heptenyl)-4,4-dimethyl-)ENT-70357 (see 1,3-Benzodioxole, 5-[[5-(3-
ethyl-3-methyloxiranyl)-3-methyl-2-
pentenyl]oxy]-, (*B*)-)

ENT-70459 (see Hydroprene)

ENT-70513 (see Triprene)

ENT-70531 (see Kinoprene)

Entaphelenchidae, in, insects 957

Entedon, parasitising, *Blastodacna atra*, in
Hungary 2012***Entedon nigrini***

sp. n., description of 4598

in Czechoslovakia 4598

in Sweden 4598

parasitising

Ernobius nigrinus

in Czechoslovakia 4598

in Sweden 4598

Pityophthorus lichtensteini, in

Czechoslovakia 4598

Enterex

against

Hydrellia sasakii, on rice 4866*Orseolia oryzae*, on rice 4866*Enterobacter*, in, *Ostrinia nubilalis*, in Iowa
7485*Enterobacter cloacae*, in, *Ostrinia nubilalis*,
in Iowa 7485

Enterokinase (see Peptidase, entero-)

Entobakterin (see *Bacillus thuringiensis* var.
galleriae)

Entocones, books on 4061

Entomobrya marginata

in Czechoslovakia 6046

on fungi on maize, in Czechoslovakia
6046**Entomology**

dictionaries of 6585

role of faunistics in 2608

taxonomy and 2609

entomophagus*, *Thyreophagus***Entomophthora***growth and sporulation in, effects of
carbon nutrition on 6879

Entomophthora contd.

in

Acyrtosiphon dirhodum

in Chile 5489, 6043

in England 801

A. pisum, in Bulgaria 2262*Aedia leucomelas*, in Japan 6173*Agrius convolvuli*, in Japan 6173*Agrotis fucosa*, in Japan 6173*Anticarsia gemmatilis*, in South

Carolina 3822

Aphis spiraeicola 962

insects, in Israel 7496

Lema gallaeciana, in Poland 2774*Macrosiphum avenae*

in Chile 5489

in England 801

Mamestra brassicae, in Japan 870*Microlophium carnosum*, in England

5480

Oligonychus hondoensis, in Nagasaki

Prefecture 3739

Oulema melanopus, in Poland 2774*Plathypena scabra*, in South Carolina

3822

Pseudoplusia includens, in South

Carolina 3822

Tetranychus urticae, in Mississippi

3010

Trichoplusia ni, in South Carolina

3822

isolation on artificial media of 4482

Entomophthora aphidis

culture methods for 6884

descriptions of 477

in

Acyrtosiphon dirhodum, in Chile 688*A. pisum*

in Argentina 477

in Switzerland 5740

localisation of 5740

aphids

in Belgium 821

in Chile 5072

Aphis fabae, in France 5084*A. gossypii*, and biological control

using, in China 6884

A. pomi, pathogenicity of 6884*Macrosiphum avenae*, pathogenicity of

6884

Myzus persicae, pathogenicity of 6884*Schizaphis graminum* 477*Schizolachnus piniradiatae*, in Ontario

6890

resting spores of, germination of 6890

Entomophthora aulicae

in

Lymantria dispar

in Iwate Prefecture 2237

pathogenicity of 2237

Entomophthora coronata (see *Conidiobolus**coronatus*)*Entomophthora destruens*, growth and sporulation in, effects of carbon nutrition on 6879*Entomophthora floridana*, in, *Oligonychus**hondoensis*, in Japan 5734*Entomophthora fresenii*, in, *Aphis fabae*, in

France 5084

Entomophthora gammae

conidia of, environmental factors for germination of 3821

in

Autographa gamma, in Yugoslavia

3138, 4707

Pseudoplusia includens, in South

Carolina 1590, 3127, 3821

spores of, factors influencing types of 3127

Entomophthora grylli 6173

in

Diacrisia obliqua, in Karnataka 1583*Dichroplus* spp., in Chile 5072**Entomophthora obscura** 6879**Entomophthora planchoniana**

in

aphids

in Belgium 821

in Chile 5072

Aphis fabae, in France 5084**Entomophthora sphaerosperma**

cultures of, survival in 2191

in

Copitarsia consueta, in Chile 5072*Plutella xylostella*, in Chile 5072**Entomophthora thaxteriana** 6879

cultures of, survival in 2191

in

Acyrtosiphon pisum

in Switzerland 5740

localisation of 5740

aphids

in Belgium 821

in Chile 5072

resting spore production in 2194

resting spores of, large-scale production of 4480

Entomophthora virulenta

cultures of, survival in 2191

growth and sporulation in, effects of

carbon nutrition on 6879

in

Hylemya brassicae 4461*H. platura* 4461*Myzus persicae*

in Puerto Rico 3137

pathogenicity of 3137

Entomophthorales, in, aphids, in Italy 1407**Entomopoxvirus**

in

Aphodius tasmaniae

in Tasmania 1596

properties of 1597

Entomopoxvirus contd.

in contd.

Choristoneura fumiferana

development of spindle inclusions of 469

persistence of 6851

Dermolepida albohirtum

in Queensland 1596

properties of 1597

Euxoa auxiliaris, properties of 2211*Othnionius batesi*

in New South Wales 6044

properties of 1597

Entomopoxvirus melolonthae

in

Lachnosterna patrueloides, increasing susceptibility to *Metarhizium anisopliae* 474*L. placi*, increasing susceptibility to *Metarhizium anisopliae* 474**Entomoscelis americana**

in Canada 5077

Microsporidia in, in Manitoba 5077

on Cruciferae, in Manitoba 5077

on rape, in Manitoba 5077

Entylia bactriana, taxonomy of, synonym of*E. carinata* 3358**Entylia carinata**

descriptions of 3358

in Argentina 3358

on *Artemisia verlottorum*, in Argentina 3358on *Eupatorium*, in Argentina 3358

on sunflower, in Argentina 3358

taxonomy of

Entylia bactriana as synonym of 3358*E. sinuata* as synonym of 3358**Entylia sinuata**, taxonomy of, synonym of *E.**carinata* 3358**Enzymes**, in *Megachile pacifica*, effects of

drugs on 1662

Eocanthecona furcellata (see *Cantheconidea*)**Eoeurysa flavocapitata**, on sugar-cane 4823**Eohardya**

taxonomy of

Hardyopsis as synonym of 546

raised to genus 546

Eotetranychus, in Thailand 3174**Eotetranychus carpini vitis**

in Italy 2253

on grapevine, in Italy 2253

preyed on by, *Amblyseius aberrans*, in Italy 2253**Eotetranychus hicoriae**

control of, acaricides for 2008

in USA 2008

on pecan, in Georgia (USA) 2008

preyed on by, *Typhlodromus ruralis*, in Georgia (USA) 2008**Eotetranychus pruni**

control of, acaricides for 313

food-plants of 6102

Eotetranychus pruni contd.

in USSR 313, 6102

on grape vine, in Azerbaijan 313

EP-332 (see Formetanate)**Epargyreus clarus**

in USA 3130

nuclear polyhedrosis virus in, in Kentucky 3130

Ephedrus

parasitising

aphids, in Italy 1407

Brevicoryne brassicae, in Pakistan 856**Ephedrus cerasicola**

biology of 205

emergence in 5899

in Norway 205

parasitising, *Myzus persicae*, in Norway 205

sex ratio in 5899

Ephedrus lacertosus

in UK 5480

parasitising, *Microlophium carnosum*, in England 5480**Ephedrus nacheri**

descriptions of 3361

in South Korea 3361

parasitising, aphids on *Galium* 777**Ephedrus persicae**

in Poland 322

parasitising

Dysaphis anthrisci, in Poland 322*D. plantaginea*, in Poland 322*D. radicola*, in Poland 322**Ephedrus plagiator**

in Poland 322

parasitising, *Aphis pomi*, in Poland 322**Ephemera danica**, hemolymph in, effects of

pesticides on proteins in 5272

ephemeraeformis, *Thyridopteryx***Ephemeroptera**

in South Korea 6556

in Turkey 4141

in milk-powder factories, in Japan 7447

in streams, effects of fenitrothion on 3303

Ephestia

control of, traps for 444

on sorghum

damage caused by 4277

in Madhya Pradesh 4277

Ephestia calidella

control of, insecticides for 501

development in, effects of photoperiod on 1191

flight activity in 501

in Cyprus 501

in carob meal, development of 5704

in dates, development of 5704

in raisins, development of 5704

in stored almonds, development of 5704

in stored carobs

development of 5704

***Ephestia calidella* contd.**

- in stored carobs *contd.*
- in Cyprus 501
- parasitised by, *Bracon hebetor*, in Cyprus 501

Ephestia cautella

- amino acids in, developmental changes in 5891
- antennal humidity receptors in 2432
- Bacillus thuringiensis* in, in Florida 441
- behaviour in, effects of light on 6261
- biology of 3092, 4432
- carbon dioxide in, effects of 1002, 2420
- control of
 - Bacillus thuringiensis* for 3790, 7466
 - fumigants for 1681, 1701, 4432, 5058, 6959
 - inert atmospheres for 4428, 7456
 - insecticides for 501, 2650, 3089, 6252, 6276, 6295, 6871
 - γ -irradiation for 1952, 3792
 - JH mimics for 2317
 - mating disruption for 2500–2501, 7681
- cytoplasmic incompatibility in 3245
- development in 2650
 - effects of temperature and humidity on 5347
 - on natural-product diets 6460
- diapause in 6289
- emergence in, effects of γ -irradiation on 7097
- flight activity in 501
- in Australia 6252
- in Cyprus 501
- in India 1562, 3092–3093, 4432, 4437, 5399
- in Iraq 3245
- in Malawi 2650
- in Malaysia 6295
- in Turkey 6871
- in USA 441, 3089
- in carob meal, development of 5704
- in chilli pepper, in West Bengal 3092
- in citrus pulp, in Florida 441
- in dates, development of 5704
- in flour mills, in India 1562
- in maize meal, extraction of 657
- in onions
 - damage caused by 4432
 - in Andhra Pradesh 4432
- in raisins
 - development of 5704
 - in Turkey 6871
- in stored almonds
 - development of 5704
 - in Portugal 1542
- in stored carobs
 - development of 5704
 - in Cyprus 501
- in stored dates, in Iraq 3245
- in stored garlic
 - damage caused by 3093

***Ephestia cautella* contd.**

- in stored garlic *contd.*
 - in Himachal Pradesh 3093
 - in stored groundnuts 1565
 - in Malawi 2650
 - in stored maize, in Malawi 2650
 - in stored mushrooms, in India 5399
 - in stored products, in USA 3089
 - in stored rice, in Malaysia 6295
 - in stored soy beans 1550
 - in stored wheat 1701
 - damage caused by 4437
 - in Australia 6252
 - in Uttar Pradesh 4437
 - varietal preferences of 4437
 - in wheat flour, extraction of 657
 - insecticide resistance in 1532
 - JH mimics in, effects of 2317
 - larval mobility in 6289
 - male genitalia in 7025
 - mating in, disrupted by sex pheromone 2500–2501, 7681
 - oviposition in, relation of water consumption and 4103
 - parasitised by
 - Apanteles plutellae* 667
 - Bracon hebetor*
 - in Cyprus 501
 - in Florida 441
 - Devorgilla canescens* 1290
 - preyed on by
 - Melichares tarsalis*, in Florida 441
 - Tribolium castaneum*, in Florida 441
 - pupae of, effects of γ -irradiation on 3249
 - sex pheromone of
 - activity of components of 6487
 - proportion of components of 6488
 - sterilisation of
 - chemosterilants for 4089
 - γ -irradiation for 1153, 7097
- Ephestia elutella***
- control of
 - fumigants for 6298, 6959
 - insecticides for 2170, 6871
 - microwave irradiation for 5703
 - development in, effects of temperature and humidity on 5347
 - in East Germany 2170
 - in Turkey 6871
 - in packaging materials, no penetration effected by 6291
 - in raisins, in Turkey 6871
 - in stored grain, in East Germany 2170
 - in stored tobacco 5703
 - effects of redrying on 6290
- Ephestia figulilella***
- control of, insecticides for 501
 - development in, effects of photoperiod on 1191
 - flight activity in 501
 - in Cyprus 501
 - in carob meal, development of 5704

***Ephestia figulilella* contd.**

- in dates, development of 5704
- in raisins, development of 5704
- in stored almonds, development of 5704
- in stored carobs
 - development of 5704
 - in Cyprus 501
- parasitised by, *Bracon hebetor*, in Cyprus 501

Ephestia kuehniella

- Bacillus thuringiensis* in, bioassay for 2553
- behaviour in, effects of light on 6261
- caffeine in, effects on neurosecretion of 6497
- control of
 - Bacillus thuringiensis* for 2196, 3857
 - fumigants for 1046, 1536, 3793, 6959
 - growth regulators for 7082
 - insecticides for 6252
 - JH mimics for 2317
- development in, effects of temperature and humidity on 5347
- eggs of
 - effects of temperature on 1305
 - effects of UV-irradiation on 1305
- genetics of 5312
- Gregarina polymorpha* in, in Yugoslavia 6307
- hemel in
 - effects of 1792
 - effects on neurosecretion of 6497
- in Australia 6252
- in Egypt 451
- in France 3857
- in Peru 692
- in Portugal 1535-1536
- in Switzerland 7082
- in Yugoslavia 4485, 6307
- in flour mills
 - in Egypt 451
 - in Portugal 1535-1536
- in mills, in Yugoslavia 4485
- in stored wheat
 - development of 2196
 - in Australia 6252
- JH mimics in, effects of 2317
- Mattesia dispersa* in 2571
 - in Yugoslavia 4485, 6307
- nests of, insect colonisation of 4712
- Nosema* spp. in, in Yugoslavia 4485, 6307
- parasites of, effects of growth regulators on 7082
- parasitised by
 - Bracon hebetor* 2571
 - Devorgilla canescens*, in Peru 692
 - Ichneumonidae 4712
 - Itopectis maculata* 1243
 - Phanerotoma flavitestacea* 789, 1231, 1404, 2196, 2423
 - in France 3857

***Ephestia kuehniella* contd.**

- parasitised by *contd.*
 - Trichogramma* spp. 2571
 - T. brasiliensis* 1305
 - T. evanescens* 1305, 4221, 5502, 6678
 - Trichogrammatoidea lutea* 1237
 - Trichospilus diatraeae* 4024
 - Venturia canescens* 1303, 2571
- preyed on by
 - Cybocephalus micans* 2721
 - Staphylinidae 4712
- rearing of, techniques for 2571
- seasonal abundance of 451
- sterilisation of, chemosterilants for 1792
- tepa in, effects on neurosecretion of 6497
- Thelophania* spp. in, in Yugoslavia 4485, 6307

Epiphyas capulifera

- in Japan 1886
- parasitising, *Pieris rapae*, in Kagawa Prefecture 1886

Epiphyas caudatus

- in Austria 3252
- parasitising, *Cydia pomonella*, in Austria 3252

Epiphyas comstockii

- in Canada 628
- life-span in 628
- parasitising, *Rhyacionia buoliana*, in Canada 628

Epiphyas ontario* (see *Apechthis*)**Epiphyas roborator***

- fatty acids in, regulation of 6478
- fecundity in 663
- in Egypt 3704
- parasitising

Galleria mellonella 6478

Lucilia sericata 6478

Pectinophora gossypiella 663

in Egypt 3704

Phthorimaea operculella 663

rearing of, diets for 663

Epiphyas postvittana

- in stored apples
 - damage caused by 1569
 - in Australia 1569

ephippiata*, *Pachnoda

- Ephydriidae, in rice-fields, in Tokushima Prefecture 1354

Epicanthus*, taxonomy of, revision of 7008**Epiblema roborana***

- in Poland 406
- on rose, in Poland 406

Epiblema tedella* (see *Epinotia*)**Epicampoptera andersoni***

- control of, biological 4990
- in Kenya 4990
- on coffee, in Kenya 4990

Epicauta

- control of, insecticides for 4970
- in USA 4604
- on eggplant, in Himachal Pradesh 7332

***Epicauta* contd.**

- on potato, in Brazil 4970
- on soy bean, in Himachal Pradesh 7332
- traps for 1164

Epicauta bispinosa

- courtship behaviour in 4604
- food-plants of 4604
- in USA 4604
- taxonomy of 4604

Epicauta cazieri

- courtship behaviour in 4604
- food-plants of 4604
- in USA 4604
- taxonomy of 4604

Epicauta maculata

- taxonomy of 4604
- group of, taxonomy of 4604

Epicauta pallidilabra*, taxonomy of, synonym of *E. punctipennis* 4604**Epicauta punctipennis***

- courtship behaviour in 4604
- food-plants of 4604
- in USA 4604
- taxonomy of, *Epicauta pallidilabra* as synonym of 4604

epichalca*, *Tomosvaryella***Epichlorohydrin* (see Oxirane, (chloromethyl)-)*****Epichoristodes acerbella***

- biology of 407, 6810
- control of
 - insecticides for 407
 - γ -irradiation for 5125
- descriptions of 407, 6810
- distribution maps for 4153
- in France 6810
- in Italy 407, 5125, 6810
- in West Germany, quarantine against 6810

- on carnation
 - imported into Austria 6588
 - in Italy 5125
- rearing of, techniques for 6810

Epidiopsis tillandsiae

- in USA 3025
- on *Tillandsia usneoides*, in Georgia (USA) 3025

Epilachna*, on *Cirsium kamschaticum*, in Japan 1081**Epilachna dodecastigma*, in Bangladesh 4180*****Epilachna pustulosa* 1081**

- geographical polymorphism in 1079
- in Japan 1079
- on *Cephalonoplos setosum*, in Japan 1079
- on *Cirsium kamschaticum*, in Japan 1079
- on *Cirsium pendulum*, in Japan 1079

Epilachna similis

- in Sierra Leone 833
- on rice, in Sierra Leone 833

Epilachna varivestis

- biology of 2915, 5603
- control of
 - crop management for 5603
 - development inhibitors for 2934
 - growth regulators for 2284
 - insecticides for 1023, 1663, 5603
 - plant extracts for 3906
- in USA 2915, 2934–2935, 2939, 3672, 5603

- life-span in, effects of azadirachtin on 2286

on bean

- damage caused by 5603
- in USA 5603

- on crucifers, in North Carolina 2915
- on *Phaseolus vulgaris* 2286

- in Maryland 3672

on soy bean

- assessing infestations of 2935
- in Maryland 3672
- in South Carolina 2934–2935, 2939
- resistance to 2937

parasitised by

- Pediobius foveolatus* 3673
- and biological control using, in Maryland 3672

preyed on by

- Geocoris punctipes* 2939
- Nabis capsiformis* 2939
- N. roseipennis* 2939
- Podisus maculiventris* 5439
- Stiretrus anchorago* 2474, 5439
- reproduction in, effects of azadirachtin on 2286

Epilachna vigintioctomaculata* (see also**Henosepilachna vigintioctomaculata*) 1081**

- colour polymorphism in 1080
- geographical polymorphism in 1079
- in Japan 1079–1080
- on *Caulophyllum thalictroides*, in Nagano Prefecture 1080

Epilachna vigintioctopunctata* (see**Henosepilachna*)*****Epilobium angustifolium*, *Aphis oenotherae***

- on, in USA 3723

Epinotia

- control of, insecticides for 690
- on lucerne, in Chile 690
- on *Trifolium pratense*, in Chile 690

Epinotia aciculana

- in Japan 1094
- parasitised by, *Diadegma epinotiae*, in Japan 1094

Epinotia tedella

- cuticle in, effects of parasitism on 5445
- in Czechoslovakia 3067
- in Denmark 4220
- larval development in, effects of parasitism on 4218
- on *Picea abies*, in Denmark 4220

***Epinotia tedella* contd.**

- on *Picea omorika*, unable to develop 3067
- on *Picea orientalis*, development of 3067
- on *Picea pungens*, development of 3067
- on *Tsuga canadensis*, unable to develop 3067

parasitised by

- Apanteles tedellae* 4218, 5445
- Lissonota dubia* 4218, 5445
- Pimpla dubius* 4220

Epinotia thapsiana

in Italy 4598

parasitised by, *Sympiesis thapsianae*, in Italy 4598

epinotiae*, *Diadegma***Epiphyas postvittana***

biology of 4899

control of

- Bacillus thuringiensis* for 6731
- economic threshold for 2270
- insecticides for 3183, 5567, 6731
- integrated 1421

fecundity in 4900

fertility in, effects of temperature on 1569

flight activity in 6100

food-plants of 4899

in Australia 1569, 4899–4900, 5567, 6100, 6731

in New Zealand 1421, 2270, 3183

on apple

- damage caused by 5567
- in New South Wales 5567, 6731
- in New Zealand 1421, 2270
- in Tasmania 6731
- in Victoria 4899–4900, 6100, 6731

on *Arctotheca calendula* 4900

on pear

- in New Zealand 3183
- in Victoria 4899–4900, 6100

on *Plantago lanceolata* 4900

on *Rumex crispus* 4900

on *Trifolium repens* 4900

parasitised by, *Apanteles tasmanicus*, in New Zealand 1421

Epilemidae

illustrations of 4139

in Galapagos Islands 4139

Epipyrops

biology of 5959

parasitising, *Numicia viridis*, in southern Africa 5959

Epirrita dilutata

control of, insecticides for 3738

in USSR 3738

Episammia pectinicornis

biology of 1322

in India 1322

on *Pistia stratiotes*

- and biological control using 1322
- in India 1322

Episomoides albinus*, *Metarhizium anisopliae

in, pathogenicity of 255

Episphenus indicus

biology of 452

descriptions of 452

in India 452

in timber, in Kerala 452

Episphenus neelgherriensis

biology of 452

descriptions of 452

in India 452

in timber, in Kerala 452

Episyrphus balteatus

biology of 1877

in Belgium 821

in Bulgaria 1499, 1504, 2262

in Japan 3836

in Poland 185–186, 1352

in USSR 386, 1877

in cotton fields, in Tadzhikistan 386

insecticides in, toxicity of 1499, 3955

parasitised by

- Hemiteles* spp., in Poland 1352
- Pachyneuron umbratum*, in Poland 1352

preying on

- Acyrtosiphon pisum*, in Bulgaria 2262

Anoecia corni, in Poland 186

aphids

- and biological control using, in UK 798

in Belgium 821

in Poland 185

Aphis fabae, in Poland 186

A. pomi, in Poland 186

A. sambuci, in Poland 186

A. spiraeophaga, in Poland 186

Brevicoryne brassicae, in Japan 3836

Macrosiphum avenae, in Poland 1352

M. rosae

in Bulgaria 1499, 1504

in Poland 186

Myzus persicae, in Japan 3836

Rhopalosiphum padi

in Poland 1352

in USSR 1877

Schizaphis graminum, in Poland 1352

pupal development in, effects on adult colour of temperature changes during 6544

Episyrphus trisectus

in Kenya 1897

parasites of, in Kenya 1897

Epitrimerus crataegifolius

sp. n., description of 3985

in USA 3985

on *Crataegus*, in Ohio 3985

Epitrimerus pungiscus

biology of 3769

control of 3769

in Finland 3769

***Epitrimerus pungiscus* contd.**

- on *Picea abies*
- damage caused by 3769
- in Finland 3769

Epitrimerus pyri

- biology of 3632
- control of, acaricides for 1424, 6101
- in Canada 6101
- in USA 1424, 3632
- on pear
- damage caused by 3632
- in British Columbia 6101
- in California 1424
- in Oregon 3632

Epitrix parvula

- control of, insecticides for 4970
- in Brazil 4970
- on potato, in Brazil 4970

epius, Spalgis**EPN (*O*-ethyl *O*-(4-nitrophenyl) phenylphosphonothioate)**

- against
- Aphanostigma iaksuiense* 2017
- Cosmopolites sordidus* 684
- Cryphalus fulvus*, on *Pinus* 1519
- Curculio sayi* 4896
- Eupterote canaraica*, on coffee 3019
- Phytobia cepae*, on *Amaryllidaceae* 379
- Spodoptera exigua* 3904
- S. littoralis* 7566
- in *Megachile pacifica*, metabolism of 1662
- in *Nomuraea rileyi*, toxicity of 3823

epos, *Anagrus***epotias, *Anarsia*****Epoxidase, aldrin, in Saturniid larvae 5888*****Epuraea*, in stored maize, in USA 1846*****equestris*, *Haplodiplosis* (see *H. marginata*)*****equestris*, *Lygaeus******Eragrostis pilosa*, *Pseudonapomyza asiatica***

- on, in Madhya Pradesh 3519

Eragrostis trenela*, *Tetraneura

- nigriabdominalis* on, in Karnataka 286

Erannis*, in West Germany 5684**Erannis aurantiaria***

- control of, insecticides for 3738
- in USSR 3738

Erannis defoliaria

- control of, insecticides for 3738
- in Austria 439
- in USSR 3738

erate, *Colias****Eremiaspis graminis***

- sp. n., description of 558
- in South-West Africa 558
- on *Aristida brevifolia*, in South-West Africa 558

Eremochloa ophiuroides*, *Caprithrips

- insularis* on, in Georgia (USA) 2341

eremophilae*, *Coenotes

- Erethizon dorsatum*, damaging spruce, allowing attack by *Scolytidae* 4399

***Eretmocerus paulistus*, parasitising,**

- Aleurothrixus floccosus*, and biological control using, in Spain 4915

Eretmocerus roseni

- in Italy 6551
- parasitising, *Bemisia citricola*, in Italy 6551

Ergosta-5,7,22-trien-3-ol

- (3 β)-
- diet component for
- Coptotermes formosanus* 2426
- Reticulitermes flavipes* 2426
- in *Hylobius pales* diet, requirement for 923

Ergost-5-en-3-ol

- (3 β ,24 R)-
- in *Carya glabra*, seasonal changes in 5307
- in *Hylobius pales* 923
- in *Quercus falcata*, seasonal changes in 5307

Ergot* (see *Claviceps purpurea*)**ergoti*, *Acylomus******Eriborus terebrans***

- descriptions of 6623
- hosts of 6623
- in Italy 6623
- in Japan 815
- in USA 5508
- parasitising
- Ostrinia nubilalis*
- in Italy 6623
- in Massachusetts 5508
- Sesamia inferens*, in Kagoshima Prefecture 815

ericae*, *Nysius***erichsonii*, *Pristiphora******eridanina*, *Spodoptera*****(*Prodenia*)****(*Xylomyges*)*****Erigeron*, *Agapanthia cardui* on, in Italy 1979*****Erigone atra***

- in Poland 1602
- insecticides in, toxicity of 1602

Erigone dentipalpis

- in Poland 1602
- insecticides in, toxicity of 1602

Erigonidae*, in lucerne fields, in California 304**Erinnyis ello***

- acoustic interneuron responses in 1762
- control of, *Bacillus thuringiensis* for 3734
- in Brazil 4807
- in Colombia 3540
- on cassava, in Brazil 4807
- on *Hevea brasiliensis*, in Brazil 3734, 4807
- on *Manihot esculenta*, in Colombia 3540

***Erinnyis ello* contd.**

parasitised by

Belvosia bicincta, and biological control
using, in Brazil 4807*Drino macarensis*, in Colombia 3540***Erinwa***, gen. n., description of 6047***Erinwa delicata***

sp. n., description of 6047

in Nigeria 6047

Eriobotrya japonica (see Loquat)***eriobotryae*, *Aceria*****Eriococcidae**

in Chile 691

on herbaceous plants, in Hungary 5239

taxonomy of 11

Eriococcus, taxonomy of 11***Eriococcus buxi***

in USSR 6808

on *Buxus*, in Caucasus 6808

taxonomy of 11

Eriococcus ironsidei

biology of 2862

in Australia 2862

on *Macadamia*, in Queensland 2862***Eriococcus quercus***

in USA 3025

on *Tillandsia usneoides*, in Georgia (USA)
3025**Eriocraniidae**

in Irish Republic 4594

in UK 4594

keys to 4594

Eriogaster amygdali talhouki

ssp. nov., description of 4894

biology of 4894

in Lebanon 4894

on almond, in Lebanon 4894

Erioschia brassicae (see *Delia*)***Erionota thrax***

control of 726

in Indonesia 726

on banana

damage caused by 726

in Java 726

parasitised by

Apanteles erionotae, in Indonesia 726*Brachymeria euplocae*, in Indonesia

726

Tachinidae, in Indonesia 726

Xanthopimpla spp., in Indonesia 726***erionotae*, *Apanteles******Eriopeltis***

in Denmark 6448

keys to 6994

Eriopeltis agropyri, taxonomy of, synonym
of *E. festucae* 6994***Eriopeltis araxis***, taxonomy of, synonym of
E. festucae 6994***Eriopeltis festucae***

distribution of 6994

on *Brachypodium ramosum* 6994***Eriopeltis festucae* contd.**

taxonomy of

Eriopeltis agropyri as synonym of
6994*E. araxis* as synonym of 6994***Eriopeltis lichtensteini***

distribution of 6994

on *Calamagrostis epigeios* 6994***Eriopeltis sachalinensis***

distribution of 6994

on *Calamagrostis purpurea* 6994***Eriopeltis stammeri***

distribution of 6994

on grasses 6994

Eriopeltis stipae

distribution of 6994

on *Stipa* 6994***Eriophyes***, taxonomy of 2325–2326***Eriophyes amygdali***

biology of 7296

in Bulgaria 7296

on almond

damage caused by 7296

in Bulgaria 7296

Eriophyes anonae

sp. nov., description of 2325

on *Annona muricata* 2325

taxonomy of 2325

Eriophyes chrysophylli

distribution of 2538

in USA 2538

on *Chrysophyllum cainito*, in Florida

2538

on *Chrysophyllum oliviforme*, in Florida

2538

Eriophyes drabae

in Poland 2745

on Cruciferae, in Poland 2745

Eriophyes feijoa, taxonomy of, relation of*E. reyesi* and 399***Eriophyes hibisci***

in India 1727

on *Hibiscus*, in Madras 1727***Eriophyes lantanae***

in Brazil 222

in Cuba 222

in USA 222

on *Lantana camara*

damage caused by 222

in Brazil 222

Eriophyes malinus

in West Germany 6111

on apple

effects of clean cultivation on 6111

in West Germany 6111

Eriophyes pyri, taxonomy of 2325***Eriophyes reyesi***

sp. n., description of 399

in Venezuela 399, 4385

on cacao

damage caused by 4385

in Venezuela 399, 4385

Eriophyes ribis (see *Cecidophyopsis*)

Eriophyes rossettonis

- on *Anacardium occidentale* 399
- taxonomy of, relation of *E. reyesi* and 399

Eriophyes similis

- biology of 6737
- control of, acaricides for 6737
- in West Germany 6737
- on plum

- damage caused by 6737
- in West Germany 6737

Eriophyes theospyri

- descriptions of 6742
- in USA 6742
- on *Diospyros virginiana*
- damage caused by 6742
- in USA 6742

Eriophyes vitigineusgemma

- biology of 1399
- control of, acaricides for 1399
- in USSR 1399
- on grapevine
- damage caused by 1399
- in Crimea 1399

Eriophyes vitis

- control of, acaricides for 313
- in USSR 313
- on grape vine, in Azerbaijan 313
- taxonomy of 2325-2326

Eriophyidae

- Mycoplasmatales in, transmission of 4457
- on apple, in New South Wales 4310, 5561
- on hazel, in USSR 6096
- on *Lolium perenne*, assessing infestations of 296
- preyed on by
 - Anystis baccharum* 5995
 - Phytoseius fotheringhamiae*, in New South Wales 4310
 - Typhlodromus helenae*, in New South Wales 5561
- seasonal adaptations in 6526
- taxonomy of 2325-2326, 2595, 6432

Eriophyoidea

- biology of 2326
- in Taiwan 4187

Eriopsis connexa

- in Chile 6043
- preying on, *Acyrtosiphon dirhodum*, in Chile 6043

Eriosoma americanum

- in USA 7012
- on *Ulmus fulva*, in Indiana 7012
- preyed on by, *Saileria irrorata*, in Indiana 7012

Eriosoma lanigerum

- biology of 325
- control of
 - insecticides for 325, 7610

***Eriosoma lanigerum* contd.**

- control of *contd.*
 - integrated 1421
- distribution maps for 4153
- gall formation by 2588
- in India 3544
- in New Zealand 1421
- in USSR 325, 6638
- on apple
 - in New Zealand 1421
 - in Ukraine 325
- parasitised by, *Aphelinus mali*, and biological control using, in USSR 6638
- preyed on by, *Metasyrphus confrater*, in Kashmir 3544

Eriosoma longipilosum

- sp. nov., description of 7134
- in India 7134
- on *Pteris*, in Uttar Pradesh 7134

Eristalinus quinquelineatus

- in Egypt 2765
- on *Satureia hortensis*, as pollinator 2765

***Eristalis quinquelineatus* (see *Eristalinus*)**

***Eristalis tenax*, cuticle in, quantitative fractionation of 1750**

Ernestia consobrina

- in USSR 6767
- parasitising, *Mamestra brassicae*, in Byelorussia 6767

Ernestia rudis

- in Austria 3518
- parasitising, *Acherontia atropos*, in Austria 3518

Ernobius

- distribution of 5223
- keys to 5223
- taxonomy of 5223

Ernobius anatolicus

- sp. n., description of 5223
- in Turkey 5223
- on *Cedrus libani*, in Turkey 5223

Ernobius fulvus

- sp. n., description of 5223
- in Italy 5223
- on *Pinus nigra*, in Italy 5223

Ernobius kailidisi

- sp. nov., description of 5223
- in Greece 5223
- on *Abies cephalonica*, in Greece 5223

Ernobius laticollis

- descriptions of 3048
- in Austria 3048
- natural enemies of, in Austria 3048
- on *Pinus sylvestris*
 - damage caused by 3048
 - in Austria 3048

Ernobius mollis espanoli

- subsp. n., description of 5223
- in Canary Islands 5223
- on *Pinus canariensis*, in Canary Islands 5223

Ernobius nigrinus

in Czechoslovakia 4598

in Sweden 4598

parasitised by

Entedon nigrini

in Czechoslovakia 4598

in Sweden 4598

erosa*, *Anomis*, (*Cosmophila*)**erraticus*, *Dryinus******Eruca sativa*, *Asphondylia* spp. on, in**

Cyprus 5538

Erucic acid (see 13-Docosenoic acid)***eruditus*, *Cheyletus******eruditus*, *Hypothenemus******ervi*, *Aphidius******Erwinia herbicola*, in, *Ostrinia nubilalis*, in**

Iowa 7485

erxias*, *Teleopteris***Eryngium campestre*, *Saissetia oleae* on, in**

Greece 6626

Erysichton lineata lineata

biology of 2862

in Australia 2862

on *Macadamia*, in Queensland 2862***erysimi*, *Lipaphis*, (*Hyadaphis*)*****Erysimum crepidifolium*, *Erysimum* latent**

virus in, infectivity of 6146

***Erysimum* latent virus**

hosts of 6146

in

Brevicoryne brassicae, not transmitted 6146*Myzus persicae*, not transmitted 6146*Phyllotreta atra*, transmission of 6146*P. nigripes*, transmission of 6146*P. undulata*, transmission of 6146***Erysimum perofskianum*, *Erysimum* latent**

virus in, infectivity of 6146

***Erysimum pulchellum*, *Erysimum* latent**

virus in, infectivity of 6146

***Erysimum silvestre*, *Erysimum* latent virus**

in, infectivity of 6146

Erythrina indica

juvenile-hormone activity of extracts of 4064

Platypleura albivannata on, in Japan 1085***Erythrina variegata* (see *E. indica*)*****erythrocephala*, *Calliphora* (see *C. vicina*)*****erythrocephala*, *Piocoris******erythrocephala*, *Blepharigena******Erythroneura arta*, on *Platanus occidentalis* 3767*****Erythroneura bella*, on *Platanus occidentalis* 3767*****Erythroneura hymettana*, on *Platanus occidentalis* 3767*****Erythroneura ingrata*, on *Platanus occidentalis* 3767*****Erythroneura lawsoni*, on *Platanus occidentalis* 3767*****Erythroneura maculata*, group of, on***Platanus occidentalis* 3767***Erythroneura morgani*, on *Platanus occidentalis* 3767*****Erythroneura torella*, on *Platanus occidentalis* 3767*****Erythroneura usitata*, on *Platanus occidentalis* 3767*****Erythroneura variabilis*, *Spiroplasma citri* in, persistence of 5722*****Erythroneura zizac***

control of 6095

in Canada 6095

on grapevine, in British Columbia 6095

parasitised by, *Anagrus epos*, in British Columbia 6095***Erythroneurini*, taxonomy of 6047*****erytrae*, *Triozia*****Escarolle (see Endive)*****Escherichia coli***

in

Galleria mellonella, phagocytosis of 942*Pieris brassicae*, interactions of spherule cells and 4464***espanoli*, *Ernobius mollis*****Esterase**in *Branta canadensis*, carbophenothion inhibition of 3919

in insects, synergists acting on 4541

in mammals, detoxication of organic phosphates by 2644

in *Manduca sexta* hemolymph, activity of 607

in pheasant, carbamate inhibition of 6405

in pigeon carbamate inhibition of 6405 carbophenothion inhibition of 3919

in *Plodia interpunctella* 1746in *Trichoplusia ni* antennae, degradation of sex pheromone by 2409

isoenzymes

in *Dacus neohumeralis* 4595in *Dacus tryoni* 4595in *Teleogryllus commodus* eggs, relation of diapause and 5434in *Tribolium castaneum*, effects of dietary vitamins on 6496**Esterase, acetyl choline**

aliphatic amines and alcohols as inhibitors of 3961

carbamate inhibition of 4531

in bovine erythrocytes, inhibited by thiofanox sulfone 535

in cattle

amiton analogues as inhibitors of 5889 organophosphate inhibition of 6388

in *Celerio euphorbiae*, effects of JH and β -ecdysone on activity of 1771in *Formica nigricans* 2398

Esterase, acetyl choline contd.

- in *Lagodon rhomboides* brain, malathion inhibition of 5808
- in *Musca domestica*, amiton analogues as inhibitors of 5889
- in *Nephotettix cincticeps* carbamate inhibition of 1147 organophosphate inhibition of 1147
- in *Plodia interpunctella* 1746
- in rat, phosfolan inhibition of 3314
- in *Schistocerca americana* nervous system 6479
- in *Tetranychus urticae*, amiton analogues as inhibitors of 5889
- in zebu, amiton analogues as inhibitors of 5889

Esterase, aryl, in mammals, paraoxon degradation by 3330**Esterase, butyryl choline (see Esterase, choline)****Esterase, carboxyl**

- in *Aphis fabae* 1745
- in insects, role in organophosphate degradation of 1653
- in *Leptinotarsa decemlineata* hemolymph, activity pattern of 5300
- in *Leptocorisa acuta*, phosphamidon inhibition of 66
- in *Manduca sexta*, metabolism of JH mimics by 58
- in *Myzus persicae* 7575, 7578 not correlated with parathion resistance 5790 relation of dimethoate resistance and 1745
- in *Plodia interpunctella* 1746
- in *Schistocerca americana* hemolymph, organophosphate inhibition of JH degradation by 3523
- isoenzymes
 - in *Manduca sexta* hemolymph, effects of insecticides on 7088
 - in *Myzus persicae* relation of dimethoate resistance and 606 separation and detection of 7577

Esterase, choline

- in *Aphis fabae* 1745
- in dog, fenitrothion inhibition of 3912
- in *Formica nigricans* 2398
- in fowl, insecticide inhibition of 3913
- in human plasma, parathion inhibition of 6984
- in *Leptinotarsa decemlineata*, trichlorphon inhibition of 5875
- in *Leptocorisa acuta*, phosphamidon inhibition of 66
- in man
 - fenitrothion inhibition of 3912
 - inhibitors of 5056
 - monocrotophos inhibition of 3309
- in *Myzus persicae* 1745

Esterase, choline contd.

- in *Passer domesticus*, aging of 1056
- in *Plodia interpunctella* 1746
- in quail, fenitrothion inhibition of 3914, 5206
- in rat
 - aging of 1056
 - fenitrothion inhibition of 3912
- in *Spodoptera litura*, effects of food-plant on 1112

Esterase, juvenile hormone

- in *Leptinotarsa decemlineata* hemolymph, activity pattern of 5300
- in *Manduca sexta*, activity pattern of 1137
- in *Manduca sexta* hemolymph, activity of 607

Esters

- in *Anthonomus grandis* 72
- in Coreoid metathoracic-gland secretions 3395

Estigmene acrea

- in Colombia 3540
- Nosema* spp. in, transovarial transmission of 475
- parasitised by
 - Carcelia reclinata*, in Colombia 3540
 - Lespesia* spp., in Colombia 3540

Estigmene acreaea

- on *Phaseolus*, in Colombia 3540
- on soy bean, in Colombia 3540

Estigmene lactinea (see Amsacta)**Estrogenic hormones, in rat, effects on reproduction of 530****Estuaries, toxaphene in, residues of 3921****Estuarine sediments, mirex in, residues of 2300****Etainia sericeopeza**

- biology of 2624
- in Romania 2624
- on *Acer*, in Romania 2624
- parasites of, in Romania 2624

Etainia sphendarni

- biology of 2624
- in Romania 2624
- on *Acer*, in Romania 2624
- parasites of, in Romania 2624
- taxonomy of 2624

Eteobalea serratella

- biology of 5479
- in Yugoslavia 5479
- on *Linaria dalmatica*, in Yugoslavia 5479
- on *Linaria genistifolia*, in Yugoslavia 5479
- on *Linaria vulgaris*, in Yugoslavia 5479
- on petunia, feeding by 5479
- on potato, feeding by 5479

Eterusia aedea

- in India 2108
- on tea, in Assam 2108

Eterusia magnifica (see E. aedea)

Ethanaminium, 2-(acetyloxy)-N,N,N-trimethyl-

- in insects, insecticides acting on receptors for 5788
- in rat heart, parathion increasing storage of 5804

Ethanaminium, 2-chloro-N,N,N-trimethyl- (see Chlormequat)**Ethanaminium, 2-hydroxy-N,N,N-trimethyl-diet component for**

- Ephialtes roborator* 663
- Sitophilus oryzae* 1757

- in *Oryzaephilus mercator* diet, requirement for 4644

chloride

diet component for

- Chilo suppressalis* 134
- Diparopsis castanea* 1840
- Eurygaster integriceps* 5388
- Hyphantria cunea* 1242
- Oryzaephilus mercator* 2418
- Pectinophora gossypiella* 3491
- Spodoptera exigua* 5923

Ethanaminium, 2-isothiocyano-N,N,N-trimethyl-, iodide, in insects, inhibition of choline acetyltransferase by 5788**Ethane**

- in orange, effects of *Phyllocoptruta oleivora* on production of 1431
- in *Pinus densiflora* 1073
- repellent for, *Monochamus alternatus* 1073

Ethane, bromo-

- against, *Gastrallus indicus*, in books 5068

- fumigant for, books 5068

Ethane, 1,2-dibromo-

against

- Anastrepha fraterculus*, in mangoes 7473

- Dacus tryoni*, on orange 5066

- Dendroctonus ponderosae*, in *Pinus* timber 4446

- Elateridae, on tobacco 7398

- Ephestia cautella* 1681, 5058

- Prionus imbricornis*, on pecan 7294

- Sitophilus oryzae*, in rice flour 3484

- Sphaeraspis salisburyensis*, on *Pennisetum clandestinum* 813

- Tribolium castaneum* 6923

- Trogoderma granarium* 1681, 5058

- formulations of, in chalk tablets 3484

- in apples, residues of 1057

- in *Cryptolestes ferrugineus*, sex-related tolerance to 6865

- in foodstuffs, residues of 2314

- in horse gram, residues of 3484

- in insects, metabolism of 3270

- in mammals, metabolism of 3270

- in rice flour, residues of 3484

- in wheat bran

- determination of 4575

Ethane, 1,2-dibromo- contd.

in wheat bran contd.

residues of 4575

in wheat flour

determination of 4575

residues of 4575

standards for use of 6926

use of, precautions in 5176

with diazinon, and isopropalin, against, Elateridae, on tobacco 7398

with 1,2-dichloroethane, and tetrachloromethane

in stored wheat, residues of 1053

in wheat products, residues of 1053

with disulfoton, and isopropalin, against, Elateridae, on tobacco 7398

with isopropalin, against, Elateridae, on tobacco 7398

with tetrachloromethane against

Oryzaephilus mercator 3197

pests of stored maize 6232

Ethane, 1,2-dichloro- against

Leiodinychus krameri 5055

Tribolium castaneum 6923

in insects, metabolism of 3270

in mammals, metabolism of 3270

with benzene, against, *Leiodinychus krameri* 5055

with 1,2-dibromoethane, and tetrachloromethane

in stored wheat, residues of 1053

in wheat products, residues of 1053

with tetrachloromethane against

Ephestia cautella 1681, 5058

Leiodinychus krameri 5055

Plodia interpunctella 1029

Tribolium castaneum 6923

Trogoderma granarium 1681, 5058

in *Bacillus thuringiensis*, not toxic 4435

in *Plodia interpunctella*, not affecting granulosis virus 4435

use of, precautions in 5176

Ethane, 1,1'-oxybis-, for extracting

Planococcus citri sex pheromone 125

Ethanedioic acid, *Lymantria dispar* feeding responses to 4112**1,1-Ethanediol, 2,2,2-trichloro-, γ -irradiation-induced dechlorination of 1063****1,2-Ethanediol**

in *Schistocerca gregaria*, not affecting muscle contraction 1250

homopolymer, as deactivator for mineral carriers in endrin formulations 3896

Ethanimidothioic acid, 2-(dimethylamino)-N-[(methyldimino)carbonyl]oxy]-2-oxo-, methyl ester (see Oxamyl)

- Ethanimidothioic acid, N**
 [[(methylamino)carbonyl]oxy]-
 2-cyanoethyl ester (see Thiocarboxime)
 methyl ester (see Methomyl)
- Ethanimidothioic acid, N**
 [[(methylnitrosoamino)carbonyl]oxy]-,
 methyl ester, in cured meat, not detected
 as methomyl product 4536
- Ethanochrysanthemate** (see
 Bioethanomethrin)
- Ethanol**
 attractant for, Scolytidae 5672
 for extracting *Planococcus citri* sex
 pheromone 125
 in *Drosophila melanogaster*, influence of
ebony gene on utilisation of 7070
 synergist for, Douglure 5665
- Ethanol, 2-[(2-chloroethyl)methylamino]-
 acetate (ester)**
 in mouse, toxicity of 3275
 in *Periplaneta americana*, toxicity of
 3275
- Ethanol, 2-(3,3-dimethylcyclohexylidene)-
 (Z)-** (see also Grandlure)
 in *Anthonomus grandis*
 effects of chemosterilants on
 production of 4686
 lifetime synthesis potential of 1483
 synthesis of 601
- Ethanol, 2,2'-thiobis-, against, *Tetranychus
 urticae* 1004**
- Ethanone, 2,2-dichloro-1-phenyl-,**
 photoproduct of methoxychlor aniline
 analogue 3328
- Ethanone, 2,2,2-trifluoro-1-(2-
 methoxyphenyl)-, O**
 [(methylamino)carbonyl]oxime,
 cholinesterase inhibition by 1034
- 5,1,3-Ethanylylidenepentalene-2,8-
 dicarboxylic acid, 3a,4,5,6,6a-
 hexachlorooctahydro-, in soil,**
 photodieldrin product 5821
- 5,1,3-Ethanylylidenepentalene-2,8-
 dicarboxylic acid, 3a,4,5,6,6a-
 hexachlorooctahydromethoxy-, in soil,**
 photodieldrin product 5821
- Ethene**
Ctenicera destructor orientation to 4744
 homopolymer
 in insect-resistant cans 4431
 in insect-resistant packaging materials
 454
 in packaging materials, insect
 susceptibility 3261
 mushroom cultivation in tents of 809
- Ethephon** (see Phosphonic acid, (2-
 chloroethyl)-)
- Ethers**
 in air of insect-rearing laboratories 4724
 in *Anthonomus grandis* 72
- Ethiofencarb** (2-[(ethylthio)methyl]phenyl
 methylcarbamate)
 against, *Myzus persicae* 7576
 in *Coccinella septempunctata*, toxicity of
 3294
 in *Dicyphus eckerleini*, toxicity of 3294
 in *Macrolophus rubi*, toxicity of 3294
 in mouse, toxicity of 6973
 in plants, determination of 2549
 in rat, metabolism of 6973
 in soil, determination of 2549
- Ethiofencarb sulfone** (see Phenol, 2-
 [(ethylsulfonyl)methyl]-,
 methylcarbamate)
- Ethiofencarb sulfoxide** (see Phenol, 2-
 [(ethylsulfinyl)methyl]-,
 methylcarbamate)
- Ethion** (*S,S'*-methylene bis(*O,O*-diethyl
 phosphorodithioate))
 against
Aphis pomi, on apple 1418
Bryobia rubrioculus, on apple 847
Delia antiqua, on onion 4558
Galleria mellonella 517
Panonychus ulmi, on apple 847
Psila rosae, on carrot 2957
Tetranychus spp., on cotton 2085
T. urticae
 on *Calla* 985, 1027
 on *Capsicum* 985, 1027
T. viennensis, on apple 847
 thrips, on tea 4991
 in carrot, residues of 2957
 in grapevine, residues of 2857
 in honey bees, toxicity of 517
 in *Nomuraea rileyi*, toxicity of 3823
 in soil, residues of 2857, 2957
 photosensitivity of 2107
 resistance to, in, *Amblyseius fallacis*, in
 Michigan 6025
 with oil emulsion
 against
Duplaspidotus claviger, on camellia
 6804
Panonychus ulmi, on apple 2882
- Ethiopia**
Hodotermes mossambicus in 4233
 locusts in 1256
- Ethiopian region**
 Acroponinae in 6442
 Ciriacremini in 7184
 Coprinae in 4005
 Hecalini in 2352
 Hylicidae in 2351
 Iassinae in 6442
 Ledrinae in 2351
 Scarabaeinae in 4005
 Thereviniae in 7006
- Ethirimol** (5-butyl-2-(ethylamino)-6-methyl-
 4-pyrimidinol)
 in entomopathogenic fungi, effects of
 4533

Ethirimol *contd.*

in *Vicia faba*, effects of *Aphis fabae* on movement of 3935

Ethoate-methyl (*S*[2-(ethylamino)-2-oxoethyl] *O,O*-dimethyl phosphorodithioate) against

Aphis fabae 5193

on *Vicia faba* 3285, 5194

Brevicoryne brassicae, on cabbage 4921

Chalcodermus bimaculatus, on *Vigna unguiculata* 4946

Monosteira unicostata, on almond 1406

in *Coccinella septempunctata*, toxicity of 3955

in *Vicia faba*, effect of washing on persistence of 5194

Ethoprop (*see* Ethoprophos)**Ethrophosphos** (*O*-ethyl *S,S*-dipropyl phosphorodithioate) against

Adrastus spp., on maize 4262

Agriotes spp. 152

on maize 4262

on sugar-beet 2663

Blissus insularis, on *Stenotaphrum secundatum* 2822

Costelytra zealandica 3191

Elateridae, on tobacco 7398

Heteronychus arator 3196

Hylemya brassicae, on brussels sprouts 2651

pests of maize 7603

with disulfoton, and isopropalin, against, Elateridae, on tobacco 7398

with isopropalin, against, Elateridae, on tobacco 7398

with parathion

against

Adrastus spp., on maize 4262

Agriotes spp., on maize 4262

with pebulate, against, Elateridae, on tobacco 7398

Ethrel (*see* Phosphonic acid, (2-chloroethyl)-)**Ethyl-DDD** (1,1'-(2,2-dichloroethylidene)bis[4-ethylbenzene]) against, *Nilaparvata lugens*, on rice 5514**Ethyl hexanediol** (2-ethyl-1,3-hexanediol) repellent for, honey bees 761**Ethylene** (*see* Ethene)**Ethylene dibromide** (*see* Ethane, 1,2-dibromo-)**Ethylene dichloride** (*see* Ethane, 1,2-dichloro-)**Ethylene glycol** (*see* 1,2-Ethanediol)**Ethylene oxide** (*see* Oxirane)**Ethylparathion** (*see* Parathion)**Ethyne**, with dichlorvos, against, termites 6645**Etiella zinckenella**

control of, insecticides for 859, 3665, 6775

in Egypt 3665

in India 2929, 6775

in Philippines 859

in Puerto Rico 2943

male genitalia in 7025

on *Cajanus cajan*, in Puerto Rico 2943 on pea

effects of sowing date on 2929

in India 6775

in Uttar Pradesh 2929

on *Phaseolus aureus*, in Philippines 859

on *Vigna unguiculata*, in Egypt 3665

etiennae, **Ctenoplusia****Etrifos** (*see* Phosphorothioic acid, *O*-(6-ethoxy-2-ethyl-4-pyrimidinyl) *O,O*-dimethyl ester)**Etrofolan** (*see* Isoprocarb)**Euagathis**, parasitising, *Euproctis fraterna*, in Bihar 852**Euarestoides acutangulus**

biology of 6659

in USA 6659

on *Ambrosia chamissonis*, in California 6659

Eublemma amabilis

in China 1910

parasitised by

Brachymeria tachardiae 12

Bracon greeni, and biological control using, in Kwangtung Province 1910

preying on

Kerria lacca 12

in Kwangtung Province 1910

Eublemma scitula

biology of 2722

in France 2722

in Lebanon 4895

parasites of, in France 2722

prey of, in France 2722

preying on, *Didesmococcus unifasciatus*, in Lebanon 4895

Eublemma silicula (*see* *Autoba*)**Euboriella annulipes** (*see* *Anisolabis*)**Eucallipterus tiliae**, supercooling of, effects of food-plant on 6470**Eucalyptus obliqua** (timber), termite control in, creosotes for 2175**eucalypti**, **Antheraea****Eucalyptus**

Ancistrotermes latinotus on, in Africa 4232

Austroplatypus incomptus on damage caused by 6826

in New South Wales 6826

in Victoria 6826

Crossotarsus externedentatus on, in Western Samoa 5674

- Eucalyptus* contd.**
Cyphagogus bipunctatus on, in Australia 6826
Diapus pusillimus on, in Papua New Guinea 6207
Phoracantha recurva on damage caused by 5948
in South Africa 5948
P. semipunctata on damage caused by 5948
in Sicily 4394
in South Africa 5948
Xyleborus perforans on, in Papua New Guinea 6207
Eucalyptus blakelyi*, *Cardiaspina albitextura on, in Australia 4400
Eucalyptus dalrympleana*, *Chrysophtharta spp. on, in Tasmania 6208
Eucalyptus deglupta
Diapus pusillimus on, in Papua New Guinea 6207
Xyleborus perforans on, in Papua New Guinea 6207
Eucalyptus delegatensis*, *Chrysophtharta spp. on, in Tasmania 6208
Eucalyptus globulus
Bacillus thuringiensis on, persistence of 2210
Penichroa fasciata on 2179
***Eucalyptus maculata*, Attelabidae** on, in South Africa 5220
Eucalyptus nitida*, *Chrysophtharta spp. on, in Tasmania 6208
Eucalyptus obliqua* (timber), *Nasutitermes exitiosus in 2175
***Eucalyptus regnans* (timber)**
Nasutitermes exitiosus in 2175
termite control in, creosotes for 2175
Eucalyptus torrelliana*, *Xylothrips religiosus on, in Papua New Guinea 6207
Eucelatoria, parasitising, *Heliothis* spp., in Colombia 3540
Eucelatoria armigera
in USA 3678
parasitising, *Heliothis zea*, in Oklahoma 3678
Euceros frigidus
hyperparasitising, *Neodiprion swainei*, in Quebec 5452
in Canada 5452
Eucheyletia flabellifera
in China 2730
in stored products, in China 2730
Eucheyletia harpyia
in China 2730
in stored products, in China 2730
Eucheyletia reticulata
in China 2730
in stored products, in China 2730
Euchromia polymena
biology of 1471
descriptions of 1471
***Euchromia polymena* contd.**
in India 1471
on sweet potato, in India 1471
Eucordylea*, on *Pinus resinosa, in Minnesota 6839
Eucosma
on *Sonchus*
and biological control using 2752
in Europe 2752
Eucosma cocana
in USA 5686
on *Pinus taeda*
damage caused by 5686
in Georgia (USA) 5686
seasonal abundance of 5686
traps for 5686
Eucosma conterminana
biology of 4926
control of 4926
in Poland 4926
on lettuce, in Poland 4926
parasitised by, *Diadegma contracta*, in Poland 4926
Eucosma gloriola
in USA 3864
on *Pinus sylvestris*
in Michigan 3864
resistance to 3864
Eucosma hapalosarca
biology of 3758
control of, insecticides for 3758
in Pakistan 3758
on *Populus*
in Pakistan 3758
resistance to 3758
parasitised by
Apanteles spp., in Pakistan 3758
Brachymeria spp., in Pakistan 3758
Eucosma isogramma
in Malaysia 252
on sugar-cane, in West Malaysia 252
parasitised by, *Trichogrammatoidea nana*, in West Malaysia 252
Eucosma pylonitis
in India 5449
parasitised by, *Trichomma dioryctri*, in India 5449
Eudamus proteus (see *Urbanus*)
Eudecatoma, taxonomy of, synonym of *Sycophila* 3370
Eudecatoma biguttata (see *Sycophila*)
Euderus lineicollis
biology of 5938
in South Africa 5938
on protea
damage caused by 5938
in South Africa 5938
Euderus caudatus
in Italy 2264
parasitising, *Saperda carcharias*, in Italy 2264
parathion in, toxicity of 2264

- Euderus caudatus** *contd.*
trichlorophen in, toxicity of 2264
- Euforcipomyia**
on cacao, as pollinator 4383
taxonomy of 1493
- Eugamasus lyriformis**, preying on,
Dendroctonus frontalis 3556
- Eugaurax setigena**
sp. n., description of 2756
in Guyana 2756
in Surinam 2756
on *Eichhornia crassipes*
in Guyana 2756
in Surinam 2756
on *Eichhornia paniculata*, in Guyana 2756
- Eugenia jambolana**
Euproctis fraterna on
feeding preferences of 4653
in Punjab 4653
Protopulvinaria mangiferae on, in Israel 7322
Trioza jambolanae on
galls of 4916
in India 4916
- Eugenia jambos**
Selenothrips rubrocinctus on
effects on amino acids of 2676
in Kerala 2676
- eugeniae, Phenacaspis**
- Eugenol** (2-methoxy-4-(2-propenyl)phenol)
adopted as common name in *RAE*, p. 6
attractant component for, *Popillia japonica* 3927
in *Pogostemon heyneanus*, insecticidal activity of 5057
repellent for, *Papilio demoleus* 1766
with 2-phenylethyl propanoate
in fish, toxicity of 5197
in rabbit, toxicity of 5197
in rat, toxicity of 5197
- Euglena gracilis**
carbaryl in, effects of 3922
DDT in, effects of 3922
temephos in, effects of 3922
- Eugnorisma miniago**
biology of 2858
control of 2858
in Iran 2858
in USSR 2858
on grapevine
in Azerbaijan 2858
in Iran 2858
- Eulachnus**
on *Pinus nigra*, in Italy 6625
parasites of, in Italy 6625
- Eulachnus agilis**, alarm pheromone in 600
- Eulachnus brevipilosus**, in Poland 4151
- Eulachnus rileyi**
in Italy 6625
on *Pinus nigra*, in Italy 6625
- Eulachnus rileyi** *contd.*
parasitised by
Diaeretus leucopterus, in Italy 6625
Praon bicolor, in Italy 6625
- Eulan CNA**, against, *Tinea pellionella*, in textiles 5701
- Eulan NKF**, against, *Tinea pellionella*, in textiles 5701
- Eulan U₃₃**, against, *Tinea pellionella*, in textiles 5701
- Eulecanium**
on *Quercus*, in Pakistan 3541
preyed on by, *Microterys chalcostomus*, in Pakistan 3541
- Eulecanium bituberculatum**
biology of 5570
control of, insecticides for 5570
in USSR 5570
on apple
damage caused by 5570
in USSR 5570
- Eulecanium caraganae**
development in, effects of parasitism on 6014
in USSR 7186
on *Caragana arborescens* 6014
parasitised by
Encyrtus infidus 6014
in USSR 7186
- Eulecanium corni** (see *Parthenolecanium*)
- Eulecanium prunastri**
in France 2722
in USSR 6808
on apricot, in France 2722
on plum
in Caucasus 6808
in France 2722
preyed on by, *Eulemma scitula*, in France 2722
- Eulecanium rugulosum**
in USSR 7004
on apple, in Kazakhstan 7004
parasitised by, *Metaphycus turanicus*, in Kazakhstan 7004
- Eulecanium tiliae**
biology of 6211, 7307
descriptions of 7307
food-plants of 7307
hyperparasitised by, *Coccophagus lycimnia*, in British Columbia 1289
in Canada 1289, 6095, 6211
in India 2873
in USSR 7307
on *Aesculus hippocastanum*, in British Columbia 6211
on apple
in British Columbia 6211
in Himachal Pradesh 2873
on cherry, in British Columbia 6211
on *Crataegus*, in British Columbia 6211
on grapevine, in British Columbia 6095
on plum, in Himachal Pradesh 2873

- Eulecanium tiliae** *contd.*
 parasitised by
Aphycus maculipes, in British Columbia 6095
Blastothrix longipennis, in British Columbia 1289
B. sericea, and biological control using, in British Columbia 1289
Coccophagus spp., in Himachal Pradesh 2873
 pathogens of, in British Columbia 1289
 predators of, in British Columbia 1289
Verticillium lecanii in, and biological control using, in British Columbia 1289
- Eulecanium transcaucasicum** (see *E. tiliae*)
- Eulophidae**
 in rice-fields, in Tokushima Prefecture 1354
 parasitising
Asphondylia spp., in Gujarat 2062
 Lepidoptera, in Switzerland 2128
Phyllonorycter blancardella, in Israel 4906
Stomopteryx palpineella, in Pennsylvania 6653
- Eumarchalia**, taxonomy of, synonym of *Asphondylia* 5537
- Eumarchalia gennadii**, taxonomy of, transferred to *Asphondylia* 5537
- Eumastacidae**, speciation in 4682
- Eumastacoidea**, taxonomy of 1732
- Eumerus**
 food-plants of 6199
 in narcissus bulbs, imported into India 6199
- Eumerus obliquus**
 descriptions of 1247
 distribution of 1247
 food-plants of 1247
 in Rhodesia 1247
 on *Euphorbia pulcherrima*, in Rhodesia 1247
 on *Strychnos*, in Rhodesia 1247
- Eumicromus angulatus** (see *Micromus*)
- Eumicromus sauteri**
 in Taiwan 2909
 preying on, *Tetranychus truncatus*, in Taiwan 2909
- euonymellus**, *Yponomeuta*
- euonymi**, *Aphis*
- Euonymus**, *Yponomeuta padellus* on, in Netherlands 3960
- Euonymus europaeus**
Aphis fabae on
 in France 5084
 in UK 3679, 3966
Yponomeuta cagnagellus on, in Netherlands 5226
Y. irrorellus on, in Netherlands 5226
Y. plumbellus on, in Netherlands 5226
- Euonymus japonicus**, *Adoxophyes fasciata* on, in Japan 3147
- Euparacrias phytomyzae**
 in Argentina 3660
 parasitising, *Liriomyza huidobrensis*, in Argentina 3660
- Eupatorium**
Entylia carinata on, in Argentina 3358
 juvenile-hormone activity of extracts of 4064
- Eupatorium ivaefolium**
Ammalo insulata on, development of 1324
Apion brunneonigrum on, in Trinidad 1325
Telephila spp. on, development of 1326
- Eupatorium microstemon**
Ammalo insulata on, development of 1324
Telephila spp. on, development of 1326
- Eupatorium odoratum**
Ammalo insulata on, development of 1324
Apion brunneonigrum on, in Trinidad 1325
Telephila spp. on, in Trinidad 1326
- Eupelmella muellneri**
 in USSR 7209
 parasitising, *Diplolepis mayri*, in USSR 7209
- Eupelmella vesicularis**
 in Poland 1885
 parasitising, *Scolytus pygmaeus*, in Poland 1885
- Eupelmus tenuicornis**
 biology of 2709
 descriptions of 2709
 in India 2709
 parasitising, *Bimba toombii*, in Uttar Pradesh 2709
- Eupelmus urozonus**
 in France 4780
 in Greece 2900
 in India 2062
 in Poland 1888
 in USSR 7209
 parasitising
Asphondylia spp., in Gujarat 2062
Dacus oleae
 in France 4780
 in Greece 2900
Diplolepis mayri, in USSR 7209
Megastigmus pictus, in Poland 1888
 taxonomy of
 characters distinguishing *Eurytoma martellii* and 4780
 characters distinguishing *Phygadeuon mediterraneus* and 4780
- Eupenicillium brefeldianum**, in, *Plecia nearctica*, in Florida 3132
- Euphausia pacifica**, DDE in, residues of 6409

- Euphilippia**, taxonomy of, synonym of
Filippia 3994
- Euphilippia olivina**
 in France 2722
 on olive, in France 2722
 preyed on by, *Eublemma scitula*, in
 France 2722
 taxonomy of, synonym of *Filippia*
follicularis 3994
- Euphorbia**
Amblyseius swirskii on, feeding on pollen
 7217
Aphis gossypii on, in São Tomé 4208
Thrips tabaci on, in Bulgaria 3700
- Euphorbia geniculata**
Lixophaga spheophori on
 feeding on nectar 4781
 in Hawaii 4781
- Euphorbia glomifera**, *Lixophaga*
sphenophori on, feeding on nectar 4781
- Euphorbia heterophylla**
Lixophaga spheophori on
 feeding on nectar 4781
 in Hawaii 4781
Poecilocus hieroglyphicus on 5417
- Euphorbia hirta** (see also *Euphorbia*
pilulifera)
Matsumuratettix hieroglyphicus on,
 development of 256
- Euphorbia longana**, *Aceria litchii* on, in
 Taiwan 4187
- Euphorbia pilulifera** (see also *Euphorbia*
hirta)
Lixophaga spheophori on, feeding on
 nectar 4781
- Euphorbia pulcherrima**
Eumerus obliquus on, in Rhodesia 1247
Trialeurodes vaporariorum on, in New
 York 1639
- euphorbiae**, *Aphthona*
- euphorbiae**, *Celerio*
- euphorbiae**, *Macrosiphum*
- Euphyllura olivina**
 biology of 5587
 control of, insecticides for 1433, 5587
 in Iran 5587
 in Tunisia 1433
 on olive
 in Iran 5587
 in Tunisia 1433
- Euphysothrips minozzii**
 in India 6781
 on groundnut
 feeding on rust spores 6781
 in Tamil Nadu 6781
- Euplectrus**, parasitising, *Mamestra brassicae*,
 in Japan 870
- Euplectrus bicolor**
 in Bulgaria 2948, 7189
 parasitising
Lacanobia oleracea, in Bulgaria 2948
Mamestra brassicae, in Bulgaria 7189
- euploeae**, *Brachymeria*
- Eupoecilia ambigua**
 biology of 1999
 control of, insecticides for 1999, 5750
 in Bulgaria 1999
 on grapevine
 damage caused by 1999
 in Bulgaria 1999
 rearing of, techniques for 2559
 sex pheromone of, bioassay for 7152
 sexual behaviour in, effects of attractants
 on 1839
- Euproctis chrysorrhoea**
 control of 731
 forecasting outbreaks of, use of light-traps
 in 5762
 in Bulgaria 5762
 in Czechoslovakia 3067
 in East Germany 731
 in USSR 6344
 in Yugoslavia 782, 2868
Nosema kovacevici in, in Yugoslavia
 2868
 nuclear polyhedrosis virus in, in Ukraine
 6344
 on *Castanea sativa*
 development of 3067
 not able to develop 924
 on *Corylus colurna*, development of 924,
 3067
 on *Quercus coccinea*, development of
 924, 3067
 on *Quercus palustris*
 development of 3067
 not able to develop 924
 on *Quercus petraea*, development of 924,
 3067
 on *Quercus rubra*, development of 924,
 3067
 on *Tilia tomentosa*
 development of 3067
 not able to develop 924
 on trees, in East Germany 731
 oxygen consumption in, effects of
 temperature on 39
 parasitised by, *Palesia nudioculata*, in
 Yugoslavia 782
Pleistophora carpocapsae in, infectivity of
 2182
- Euproctis chrysorrhoea auct.** (see *E. similis*)
- Euproctis flava**, nuclear polyhedrosis virus
 in, maturation sequence of 3148
- Euproctis fraterna**
 biology of 852
 control of, antifeedants for 1711
 food preferences of 4653
 in India 852, 888, 1847, 4653
 on cassava, in Tamil Nadu 1847
 on sesame, in Tamil Nadu 888
 on *Ziziphus jujuba*, in Bihar 852
 on *Ziziphus xylopyra*, in Bihar 852

- Euproctis fraterna** contd.
 parasitised by
Apanteles spp., in Bihar 852
Euagathis spp., in Bihar 852
- Euproctis kargalika**
 biology of 6548
 in Iran 6548
 on *Crataegus*, in Iran 6548
- Euproctis similis**
 biology of 3545
 control of
 insecticides for 5568, 7308
 nest collection for 5568
 nest destruction for 7308
 cytoplasmic polyhedrosis virus in,
 infectivity of 2192
 food-plants of 7308
 in Bulgaria 3545
 in USSR 5568, 6103, 7308
 in Yugoslavia 5076, 5739
 nuclear polyhedrosis virus in 485
 in Yugoslavia 5076
 morphology of 2228, 4468
 pathogenicity of 5076
 on apple
 assessing infestations of 5568
 damage caused by 5568
 in Ukraine 5568
 in Yugoslavia 5739
 on pear, in Yugoslavia 5739
 on plum, in Yugoslavia 5739
 on *Quercus*, in Yugoslavia 5739
 on *Rosa canina*, in Yugoslavia 5739
 parasitised by
Meteorus versicolor, in Georgia (USSR)
 6103
Monodontomerus aereus, in Georgia
 (USSR) 6103
Telenomus phalaenarum, in Bulgaria
 3545
Trichogramma embryophagum, in
 Bulgaria 3545
 pathogens of, in Yugoslavia 5076, 5739
- Euproctis subflava** (see *E. flava*)
- Euproctis virguncula**
 biology of 1345
 in India 1345
 on maize, in Punjab 1345
 on *Pennisetum typhoides*, in Punjab
 1345
 on rice, in Punjab 1345
 on sorghum, in Punjab 1345
 on wheat, in Punjab 1345
- Euproctis xanthorrhoea**
 in India 4277
 on *Sorghum*, in India 4277
- Eupteromalus albopilosus**
 hyperparasitising, *Hypera postica*, in
 Wyoming 189
 in USA 189
 parasitising, *Bathyplectes curculionis*, in
 Wyoming 189
- Eupteromalus americanus**
 biology of 5440
 hyperparasitising, *Hypera postica*, in
 Colorado 5440
 in USA 5440
 parasitising, *Bathyplectes curculionis*, in
 Colorado 5440
- Eupteromalus micropterus**
 in Poland 2774
 parasitising, *Lema gallaeciana*, in Poland
 2774
- Eupteromalus parnarae**
 hyperparasitising, *Oxya intricata*, in
 Taiwan 2802
 in Taiwan 2802
 parasitising
Eurytoma spp., in Taiwan 2802
Scelio oxyae, in Taiwan 2802
- Eupterote canaraica**
 control of, insecticides for 3019–3020
 in India 3020
 on coffee, in India 3020
- Eupteryx atropunctata**
 in Poland 1335, 5590
 on *Melissa officinalis*, in Poland 1335
 on *Mentha piperita*, in Poland 1335
 on *Salvia officinalis*, in Poland 1335
- Eupteryx collina**
 in Poland 1335
 on *Melissa officinalis*, in Poland 1335
 on *Mentha piperita*, in Poland 1335
 on *Salvia officinalis*, in Poland 1335
- Eupteryx origani**
 in Poland 1335
 on *Melissa officinalis*, in Poland 1335
 on *Mentha piperita*, in Poland 1335
 on *Salvia officinalis*, in Poland 1335
- Eupteryx stachydearum**
 in Poland 1335
 on *Melissa officinalis*, in Poland 1335
 on *Mentha piperita*, in Poland 1335
 on *Salvia officinalis*, in Poland 1335
- Eurasian watermilfoil** (see *Myriophyllum
 spicatum*)
- Eurema hecabe**
 in Pakistan 1334
 on fenugreek, in Pakistan 1334
- Eurhizococcus brasiliensis**
 food-plants of, in Brazil 155
 in Brazil 155
 on sugar-cane, in Brazil 155
- Eurhizococcus brevicornis**, in Brazil 155
- Eurhodope advenella**
 in Hungary 4211, 4307
 on apple, in Hungary 4307
 on *Crataegus oxyacantha*, in Hungary
 4211
 parasites of, in Hungary 4211, 4307
- Eurinoscopus**, taxonomy of, synonym of
Batracomorphus 6442
- eurinus**, *Alydus*

Europe

Acyrtosiphon dirhodum in, on grain crops 1339

Aiolopus thalassinus in 5418

aphids in

natural enemies of 777

on *Galium* 777

Apion spp. in

natural enemies of 841

on *Trifolium* 841

Brachycaudus spp. in 6453

Macrosiphum avenae in, on grain crops 1339

Oria musculosa in 270

Rhopalosiphum padi in, on grain crops 1339

Saltatoria in 2621

Tersilochinae in 2635

Europe, north-western, *Apanteles* spp. in 5230

europeator*, *Itopectis

Eurosta solidaginis, coldhardiness in 7110

euryalis*, *Hyalophora

Eurybia misellivestis

in Brazil 5981

on sugar-cane, in Brazil 5981

Eurybrachys tomentosa

in India 1847

on kenaf, in Tamil Nadu 1847

Eurycranium pilosa, taxonomy of, transferred to *Cotterellia* 5450

Eurydema oleraceum

control of, growth regulators for 2285

on rape 2285

parasitised by, *Trissolcus* spp. 4810

Eurydema ornatum, parasitised by, *Trissolcus* spp. 4810

Eurydema pulchrum

alarm pheromone of 1748

defensive secretion of 1748

Eurydema rugosum

alarm pheromone of 1748

defensive secretion of 1748

digestive enzymes in 2396

on cabbage

damage caused by 1442

effects on amino acids of 6142

Eurydema ventrale

parasitised by

Trissolcus spp. 4810

T. viktorovi 2727

Eurygaster

control of, insecticides for 1940–1941, 6671

in forests, in Romania 6671

on grain crops, in Romania 273

on wheat

damage caused by 2783, 5494

effects of fertilizers on 6917

in Bulgaria 1940–1941, 5494

in Romania 2783, 6917

population dynamics of 1941

Eurygaster austriaca

distribution of 1347

in Bulgaria 1347, 5494

in Romania 4255

in Turkey 2775

male genitalia in 2775

on barley, in Bulgaria 1347

on wheat

damage caused by 5494

in Bulgaria 1347, 5494

rearing of 4176

rearing of, techniques for 4176

Eurygaster integriceps

biology of 273, 1189, 1347, 1838, 4255

control of

border treatments for 7235

insecticides for 273, 1347, 1939, 4255, 5752, 7663

integrated 4809

JH mimics for 4065

development in, influence of corporata allata on 57

diapause in 998, 1135

distribution of 1347

egg-hatch in 5388

embryonic development in, effects of

growth regulators on 3387

fertility in, effects of JH mimics on 1135

hemolymph in, effects of parasites on

proteins in 5308

in Bulgaria 1347, 1939, 2498, 4065, 5494

in Iran 1838

in Pakistan 1338

in Romania 273, 998, 4255

in Turkey 2775, 7663

in USSR 1189, 1347, 2780, 4809–4811,

5388, 5752, 6016, 6352–6353, 6636,

7234–7235

in wheat grain, damage caused by,

detection of 7150

male genitalia in 2775

nematodes in, in Pakistan 1338

on *Artemisia santonicum*

in Iran 1838

rearing of 1838

on barley, in Bulgaria 1347

on grain crops

forecasting infestations of 1189

in Iran 1838

in Romania 273

in USSR 1189

on wheat

damage caused by 2780, 5494

effects of harvesting date on 7234

effects of plant density on 7234

in Bulgaria 1347, 1939, 4065, 5494

in Caucasus 4809

in Kazakhstan 7235

in Pakistan 1338

in Romania 4255

in Turkey 7663

in Ukraine 5752

Eurygaster integriceps *contd.*

- on wheat *contd.*
 - in USSR 2780, 4811, 7234
 - rearing of 1838
- oviposition in 5388
- parasites of 4813
 - attracted by kairomones 5284
 - effects of insecticides on 5752, 7235
 - in Bulgaria 1347
 - in Romania 273
- parasitic castration of, mechanism of 6636

parasitised by

- Chryseria helluo* 5308
 - in Kabardino-Balkaria 6353
 - in USSR 6636
- Ectophasia crassipennis*, in Kabardino-Balkaria 6353
- Ooencyrtus telenomicida*, in USSR 4811

- Phasia subcoleoptrata* 5308
 - in Kabardino-Balkaria 6353
 - in USSR 6636

- Telenomus chloropus* 2727
 - in Caucasus 4809, 6352
 - in USSR 4811

- Trissolcus basalis*, and biological control using, in Caucasus 6352

- T. grandis* 2727, 4812, 5284
 - and biological control using, in Caucasus 6352
 - in Caucasus 4809–4810, 6352
 - in USSR 4811, 6016

- T. nigribasalis*, and biological control using, in Caucasus 6352

- T. pseudoturesis*, in USSR 4811

- T. reticulatus*, in USSR 4811

- T. semistriatus*, and biological control using, in Caucasus 6352

- T. simoni*, in Caucasus 4809–4810, 6352

- parasitism of, early detection of 4812
- pheromones in 2498

- population dynamics of 4809

- predators of, in Bulgaria 1347

- preyed on by, *Chrysopa carnea*, in Pakistan 1338

- rearing of, diets for 5388

- reproduction in, effects of JH mimics on 2498

- rickettsiae in, pathogenicity of, effects of temperature on 6351

- sex pheromone of 5873

- sexual behaviour in 2498

- trichlorphon resistance in, dynamics of 998

Eurygaster maura

- distribution of 1347
- in Bulgaria 1347, 5494
- in Romania 4255
- in Turkey 2775
- male genitalia in 2775

Eurygaster maura *contd.*

- on barley, in Bulgaria 1347

- on wheat

- damage caused by 5494

- in Bulgaria 1347, 5494

- rearing of 4176

- rearing of, techniques for 4176

Euryischia, taxonomy of, characters for 4607**Euryischidae**, fam. n., description of 4607**Euryepla**, in Caribbean region 7141**Euryepla calochroma**, in Caribbean region 7141**Euryepla calochroma floridensis**

- descriptions of 7141

- food-plants of 7141

- in USA 7141

- taxonomy of 7141

Euryproctus sinister

- in France 1091

- parasitising

- Caliroa annulipes*, in France 1091

- C. cerasi*, in France 1091

- C. cinxia*, in France 1091

eurytheme, *Colias***Eurytoma**

- parasitised by, *Eupteromalus parnarae*, in Taiwan 2802

- parasitising

- Asphondylia sesami*, in Rajasthan 1890

- Goniozus japonicus*, in Japan 786

- Oxya intricata*, in Taiwan 2802

Eurytoma acericola

- sp. n., description of 2331

- in USSR 2331

- parasitising, *Bradybatus tomentosus*, in Ukraine 2331

Eurytoma amygdali

- control of, insecticides for 4894, 4897–4898

- in Israel 4897–4898

- in Lebanon 4894, 7550

- on almond

- in Israel 4897–4898

- in Lebanon 4894, 7550

- parasites of, in Israel 4898

Eurytoma bouceki

- sp. n., description of 3367

- biology of 3368

- control of 3368

- descriptions of 3368

- in Poland 3367–3368

- on *Larix decidua*

- damage caused by 3368

- in Poland 3367–3368

- on *Larix polonica*

- damage caused by 3368

- in Poland 3367–3368

Eurytoma compressa

- descriptions of 1076

- in Mexico 1076

Eurytoma compressa *contd.*

- in USA 1076
- on *Rhus trilobata*, in California 1076
- on *Rhus virens*, in Mexico 1076

Eurytoma cynipicola

- sp. nov., description of 7209
- in USSR 7209
- parasitising, *Diplolepis mayri*, in USSR 7209

Eurytoma fraxinicola

- in Poland 1885
- parasitising
- Scolytus pygmaeus*, in Poland 1885
- S. rugulosus*, in Poland 1885

Eurytoma goidanichi

- descriptions of 6001
- hyperparasitising, *Lymantria dispar*, in Ukraine 6002
- in USSR 6001–6002
- parasitising
- Apanteles melanoscelus*, in Ukraine 6002
- Braconidae, in USSR 6001

Eurytoma gossypii

- in Mexico 1076
- parasitising, *Anthonomus grandis*, in Mexico 1076

Eurytoma martellii

- in France 4780
- parasitising, *Dacus oleae*, in France 4780
- taxonomy of
- characters distinguishing *Eupelmus urozonus* and 4780
- characters distinguishing *Phnigalio mediterraneus* and 4780

Eurytoma nesiotis

- biology of 2982
- descriptions of 2982
- in India 2982
- parasitising, *Asphondylia sesami*, in Uttar Pradesh 2982

Eurytoma pistaciae

- in USSR 7209
- parasitising, *Diplolepis mayri*, in USSR 7209

Eurytoma rosae

- in USSR 7209
- parasitising, *Diplolepis mayri*, in USSR 7209

Eurytoma setigera (see *E. pistaciae*)**Eurytoma verticillata**

- descriptions of 6001
- hyperparasitising, *Lymantria dispar*, in Ukraine 6002
- in USSR 6001–6002
- parasitising
- Apanteles melanoscelus*, in Ukraine 6002
- A. porthetriae*, in Ukraine 6002
- Braconidae, in USSR 6001
- Meteorus pulchricornis*, in Ukraine 6002

Eurytomidae

- keys to 1076
- parasitising
- Cynipidae
- in Guatemala 1076
- in Mexico 1076
- taxonomy of 1076

Euscelinae, in Turkey 546**Euscelini**, taxonomy of 6047**Euscelis**, in South Africa 13**Euscelis plebeja**

- Acholeplasma* spp. in, replication of 3109
- aster yellows, causal agent in, transmission of 6038
- barley yellow stripe, causal agent in, transmission of 6038
- green petal disease, causal agent in, transmission of 5719
- in Poland 5590
- in Turkey 6038
- on barley, histoid enations associated with 6038
- on oats, histoid enations associated with 6038
- on wheat, histoid enations associated with 6038
- rice gallume virus in, not transmitted 7250

Euschistus conspersus

- dispersal of 6085
- in USA 6085
- on cotton
- damage caused by 6190
- in California 6085
- on lucerne, in California 6085
- on sorghum, in California 6085
- on sugar-beet, in California 6085

Euschistus heros

- control of, insecticides for 367
- in Brazil 367
- on soy bean, in Brazil 367

Euschistus picticornis

- in Brazil 1457
- on soy bean
- damage caused by 1457
- in Brazil 1457

Euschistus servus

- in USA 7187
- parasitised by, *Trichopoda pennipes*, in Georgia (USA) 7187

Euschistus tristigmus

- in USA 106
- morphology of, effects of photoperiod on 106

Euschistus tristigmus tristigmus

- biology of 732
- food-plants of 732
- form *pyrrhocerus*, temporal distribution of 732
- form *tristigmus*, temporal distribution of 732

- Euschistus tristigmus tristigmus** *contd.*
 in USA 732
 morphology of, effects of photoperiod on 3382
- Euscyrtus bivittatus**
 in Sierra Leone 833
 on rice, in Sierra Leone 833
- Eutanyacra picta**
 in Bulgaria 7189
 parasitising, *Mamestra brassicae*, in Bulgaria 7189
- Eutetranychus orientalis**
 control of, acaricides for 3693
 in Egypt 395, 3662, 3693, 4355
 on cotton
 effects of inorganic nitrogen on 395
 in Egypt 395
 on eggplant, in Egypt 3693
 on *Phaseolus*, in Egypt 3662
 on sesame, in Egypt 4355
 on sour orange, damage caused by 1432
 on sunflower, in Egypt 4355
 preyed on by
 Cunaxa capreolus 6616
 mites, in Egypt 3693
- Euthyrhynchus floridanus**
 biology of 4222
 descriptions of 2476
 development in 2476
 in USA 4222
 in soy-bean fields, in South Carolina 4222
 preying on, *Galleria mellonella* 4222
- Euthystira brachyptera**, epipharyngeal wall in 3378
- eutrichosiphi**, *Trioxys*
- Eutrichosiphum**, parasitised by, *Trioxys eutrichosiphi*, in Meghalaya 7205
- Eutrombidium trigonum**
 in India 2813
 parasitising, *Hieroglyphus nigrореpletus*, in Uttar Pradesh 2813
- Euxesta notata**, in Canada 378
- Euxoa**
 control of, insecticides for 3949
 on lucerne, in Chile 699
- Euxoa auxiliaris**, *Entomopoxvirus* spp. in, properties of 2211
- Euxoa bilitura**, in Peru 156
- Euxoa conspicua** (see *Agrotis crassa*)
- Euxoa detersa**
 in Canada 6598
 in USA 6598
 literature on 6598
 on maize
 in Illinois 6598
 in Nebraska 6598
 on tobacco, in Ontario 6598
- Euxoa messoria**
 control of 6195
 insecticides for 3900, 6359–6360, 6798
 in Canada 6195, 6360, 6798
- Euxoa messoria** *contd.*
 on tobacco
 in Ontario 6195
 in Quebec 6798
 on vegetable crops, in Ontario 6360
- Euxoa ochrogaster**
 control of, insecticides for 2977, 6359–6360
 embryonic development in 2473
 flight activity in 2473
 in Canada 6360
 in USA 346, 2473, 2977
 on asparagus
 in Texas 346
 influence of weeds on 346
 on peppermint, in Oregon 2977
 on vegetable crops, in Ontario 6360
- Euxoa segetis** (see *Agrotis segetum*)
- Euxoa temera**
 control of, insecticides for 152
 food-plants of 152
 in Bulgaria 152
- Euzophera bigella**, taxonomy of, *Euzophera punicaeella* as synonym of 3978
- Euzophera punicaeella**
 taxonomy of
 Ectomyelois ceratoniae misidentified as 3978
 synonym of *Euzophera bigella* 3978
- evanescens**, *Trichogramma*
- evansi**, *Ycaploca*
- Evarthrus alternans** (see *Pterostichus*)
- Evergestis forficalis**
 diapause in 626
 in UK 626, 5597
 on brussels sprouts
 in England 5597
 resistance to 5597
- Evetria buoliana** (see *Rhyacionia*)
- evonymellae**, *Tetrastichus*
- ewingii**, *Persectania*
- examinator**, *Pimpla* (see *Coccygomimus turionellae*)
- excarinata**, *Brachymeria*
- exclamationis**, *Agrotis*
- excrecens**, *Phassus*
- Exelastis atomosa**
 control of, insecticides for 4955, 6770
 in India 4955, 6770
 on *Cajanus cajan*
 in India 6770
 in Maharashtra 4955
 on *Phaseolus mungo*, in India 6770
- exempta**, *Spodoptera*
- exemptus**, *Geron*
- Exenterinae**, taxonomy of 3986
- Exenterus**, parasitising, *Microdiprion pallipes*, in West Germany 930
- Exenterus abruptorius**
 fecundity in 2485
 parasitising, *Neodiprion sertifer* 2485
- Exeristes comstockii** (see *Ephialtes*)

- Exeristes roborator* (see *Ephialtes*)
Exetastes cinctipes
 in USSR 6767
 parasitising, *Mamestra brassicae*, in Byelorussia 6767
Exidechthis canescens (see *Venturia*)
exigua, *Spodoptera* (*Laphygma*)
exiguae, *Hyposoter*
exitiosa, *Aegeria*, (*Sanninoidea*)
exitiosa, *Marietta* (see *M. javensis*)
exitiosus, *Nasutitermes*
exmaculatus, *Setoptus*
Exochomus, preying on, *Didesmococcus unifasciatus*, in Lebanon 4895
Exochomus laeviusculus
 in Réunion 4137
 prey of 4137
Exochomus quadripustulatus
 in Greece 6121, 6135
 in Italy 1426, 1643
 in Turkey 1427, 5105
 in olive groves, effects of insecticides on 1643
 preying on
Coccus aegaeus
 in Greece 6121
 in Italy 1426
C. hesperidum, in Turkey 1427
C. pseudomagnoliarum, in Turkey 1427
Saissetia oleae
 in Greece 6135
 in Italy 1643
 in Turkey 5105
Exochomus quadripustulatus floralis
 in Turkey 1427
 preying on
Coccus hesperidum, in Turkey 1427
C. pseudomagnoliarum, in Turkey 1427
exoletus, *Longitarsus*
Exolygus pratensis (see *Lygus*)
Exolygus rugulipennis (see *Lygus*)
Exophthalmus
 control of, insecticides for 7225
 on sugar-cane, in Dominican Republic 7225
Exorista
 parasitising
Dendrolimus punctatus, in Vietnam 3740
Lymantria dispar, in Massachusetts 4214
Exorista fasciata
 in Japan 870
 parasitising, *Mamestra brassicae*, in Japan 870
Exorista japonica (see *E. fasciata*)
Exorista larvarum
 in Bulgaria 2948, 7189
 in Egypt 4182
Exorista larvarum contd.
 in France 548
 in USSR 1872
 parasitising
Acronicta lutea, in USSR 1872
Autographa gamma, in Egypt 4182
Lacanobia oleracea
 in Bulgaria 2948
 in France 548
Lymantria dispar, in Europe 3168
Mamestra brassicae, in Bulgaria 7189
Mythimna unipuncta, in France 548
Exorista sorbillans
 in India 4786
 parasitising, *Mocis undata*, in Madhya Pradesh 4786
Exoteleia dodecella
 control of, insecticides for 7420
 in Poland 7420
 in USSR 7441
 on *Pinus*
 in Byelorussia 7441
 resistance to 7441
 on *Pinus sylvestris*, in Poland 7420
Exothecina, body size in 182
exotica, *Allograpta*
Exotoxin (see *Bacillus thuringiensis* var. *thuringiensis*)
experta, *Feltia*
exsecta, *Formica*, (*Coptoformica*)
exsertus, *Agistemus*
extensa, *Tetragnatha*
externa, *Chrysopa*
externedentatus, *Crossotarsus*
extranea, *Anabrolepis*
extremitata, *Delia*, (*Hylemya*)
exvinacea, *Orthaga*
eydouxii, *Creobius*
Eysarcoris inconspicuus
 in Pakistan 1338
 on maize, in Pakistan 1338
fabae, *Aphis* (*Doralis*)
fabae, *Empoasca*
fabia, *Earias* (see *E. vittella*)
fabriciella, *Atteva*
facetosa, *Protomicroplitis*
fagacearum, *Crossotarsus*
fagata, *Operophtera*
fagella, *Diurnea*
fagi, *Cryptococcus*
fagi, *Phyllaphis*
fagi, *Rhynchaenus*
Fagopyrum esculentum (see Buckwheat)
Fagus
Apoda avellana on, in Norway 5373
Cryptococcus fagi on, in UK 2156
Endomyces hylecoeti on, in Austria 438
Ennomys quercinaria on
 in Norway 117
 in West Germany 117

Subject Index

Fagus contd.

- Hyalecoetus dermestoides* on, in Austria 438
Lymantria dispar on, in Azerbaijan 6204
Nectria spp. in, in UK 2156
 pests of, in Denmark 2130
Phyllobius argentatus on, in Denmark 2131
Rhynchaenus fagi on, in Denmark 2131
Trypodendron domesticum on, in Europe 1143

Fagus crenata, *Rhopalovalva amabilis* on, in Japan 560

Fagus grandifolia, *Choristoneura fumiferana* on, in Maine 5437

Fagus orientalis

- Cryptococcus fagi* on, in Iran 6217
 insect pests of, in Iran 6217
Lymantria dispar on, in Iran 6217
Rhynchaenus fagi on, in Iran 6217
Fagus sylvatica (timber), termites in, effects of soft-rot fungi on 7210

fairmairei, Muellerianella

Falco peregrinus, DDE in, residues of 5815

Falco sparverius, DDE in, effects on shell thickness of 4569

Falcon, peregrine (see *Falco peregrinus*)

falconiana, Aeneolamia varia**fallacis, Amblyseius**

(*Neoseiulus*)

fallax, Chauliops**falli, Conoderus**

Falon (see *Dicofol*)

Falsa (see *Grewia asiatica*)

familiaris, Amara

Famphur (O-[4-[(dimethylamino)sulfonyl]phenyl] O,O-dimethyl phosphorothioate)

adopted as common name in *RAE*, p. 6

Fannia canicularis

in Poland 1443

on cabbage, in Poland 1443

Fannia scalaris

in Poland 1443

on cabbage, in Poland 1443

farfarae, Anuraphis

farinae, *Tyroglyphus* (see *Acarus siro*)

Farinocystis tribolii

in

Tribolium castaneum, infectivity of 5079

T. confusum, in Yugoslavia 4485

Farm buildings, termites in, in Queensland 216

Farm yards

orthopteroids in

effects of pesticides on 7168

in Michigan 7168

Farms

Achaearanea tepidariorum in, in Nagasaki Prefecture 2718

Hemicheyletia reticulata in, in Scotland 1099

Farms contd.

stored-product insects in, detection of 5706

β -Farnesene, *trans*- (see 1,6,10-Dodecatriene, 7,11-dimethyl-3-methylene-, (*E*)-)

Farnesenic acid (see 2,6,10-Dodecatrienoic acid, 3,7,11-trimethyl-)

Farnesol (see 2,6,10-Dodecatrien-1-ol, 3,7,11-trimethyl-)

Farnesyl methyl ether (see 2,6,10-Dodecatriene, 1-methoxy-3,7,11-trimethyl-)

farris, Acarus**fascialis, Cerotoma**

fascialis, *Hymenia* (see *H. recurvalis*)

fascialis, *Zinckenia* (see *Hymenia recurvalis*)

fasciana, Pammene**fasciapennis, Aleurodothrips****fasciata, Adoxophyes****fasciata, Comana****fasciata, Exorista****fasciata, Mertilanidea****fasciata, Penichora****fasciata, Phanerotoma****fasciatum, Monarthrum****fasciatus, Aeolothrips****fasciatus, Attagenus****fasciatus, Caliothrips**, (*Hercothrips*)**fasciatus, Dysdercus****fasciatus, Ipochus****fasciatus, Oncopeltus****fascifrons, Macrosteles****fasciolatus, Attagenus****Fats**

in *Dendroctonus pseudotsugae* 4135

in *Eurygaster integriceps*, relation of insecticide resistance and 273

in *Hylobius pales*, during diapause 422

in *Ips paraconfusus*, generation differences in 4406

in wheat grain, effects of *Trogoderma granarium* on 6312

Fatty acids

culture-medium component for, *Antheraea eucalypti* cells 38

diet component for

Ephialtes roborator 663

Hyphantria cunea 5389

in *Anastrepha suspensa*, age related changes in 5310

in *Brassica juncea*, effects of *Lipaphis erysimi* on 3080

in *Carya glabra*, seasonal changes in 5307

in *Ceratitis capitata*, biosynthesis of 1067

in *Dermestes maculatus*

gustatory and olfactory responses to 3266

synthesis of 585

Fatty acids contd.

- in *Ephialtes roborator*, regulation of 6478
- in *Heliothis virescens*, as indicators of food-plant 897
- in *Heliothis zea*, as indicators of food-plant 897
- in *Icerya purchasi* 2450
- in *Iridomyrmex humilis* 68
- in *Liriodendron tulipifera*, seasonal changes in 5307
- in *Locusta migratoria*, effects of allatectomy on 5427
- in maize grain, relation of resistance to *Sitophilus oryzae* and 1563
- in *Pectinophora gossypiella*, geographical variation in 6513
- in *Pieris brassicae* 33
 - absorption of 1758
 - regulation of uptake of 2421
- in *Quercus falcata*, seasonal changes in 5307
- in *Solenopsis invicta* cuticle 4200
- in *Solenopsis richteri* cuticle 4200
- in *Spodopera exigua* eggs 1780
- in *Tribolium castaneum*, gustatory and olfactory responses to 3266
- in *Trogoderma granarium*, gustatory and olfactory responses to 3266
- in wheat grain, effects of *Trogoderma granarium* on 6312

fausta, Rhagoletis**favus, Parasitus**

FD 5228 (see Mevinphos, with monocrotophos)

feae, Odontotermes**fecundus, Ooencyrtus****Feeding stimulants** (see Phagostimulants)**Feedstuffs**

- Acarus siro* in, in Irish Republic 3778
- Anthrenus flavipes* in, imported into West Germany 5699
- Attagenus fasciatus* in, imported into West Germany 5699
- BHC in, residues of 3315
- Gibbium psylloides* in, imported into West Germany 5699
- insect recycling of animal waste to produce 3513
- pest control in, insecticides for 935
- storage problems with 935
- Trogoderma glabrum* in 1159
- T. inclusum* in 1158
- T. variabile* in 1160

fejioae, Eriophyes**Felis domesticus** (see Cat)

Feltia, on cotton, in Venezuela 2091

Feltia ducens

- in USA 4742
- literature on 4742

Feltia ducens contd.

- taxonomy of
- misidentified as *F. jaculifera*, in USA 4742
- misidentified as *F. subgothica*, in USA 4742

Feltia experta, in Peru 156

Feltia jaculifera

- in USA 4742
- taxonomy of, *Feltia ducens* misidentified as, in USA 4742

Feltia malefida (see *Agrotis*)**Feltia subgothica**

- in USA 4742
- literature on 4742
- taxonomy of, *Feltia ducens* misidentified as, in USA 4742

Feltia subterranea

- control of, insecticides for 4923
- in Chile 699
- in Mexico 1164
- in Peru 1375
- in USA 4923
- on lettuce, in Florida 4923
- on lucerne
 - in Chile 699
 - in Peru 1375
- traps for 1164, 1375

Feltiella, preying on, *Oligonychus hondoensis*, in Nagasaki Prefecture 3739

femoralis, Pedinus**femorata, Brachymeria****femorata, Sexava**

Fenaminosulf (sodium [4-(dimethylamino)phenyl]diazene-sulfonate) antifeedant for, *Hylobius pales* 1520

Fenamiphos (ethyl 3-methyl-4-(methylthio)phenyl (1-methylethyl)phosphoramidate) against

Cosmopolites sordidus, on banana 1434

Inopus rubriceps 3193, 3195

Fenazaflor (phenyl 5,6-dichloro-2-(trifluoromethyl)-1H-benzimidazole-1-carboxylate) against

Bryobia rubrioculus, on apple 847

Panonychus ulmi 497

on apple 847

Tetranychus urticae

- on apple 6109
- on bean 515
- on *Calla* 985, 1027
- on *Capsicum* 985, 1027
- on cucumber 985, 1027
- on hop 1337

T. viennensis, on apple 847

Fenazox

- against, *Tetranychus urticae* 5748
- in cucumber, residues of 5805

Fence posts, *Mastotermes darwiniensis* in, in Queensland 2737

Fencerows, Carabidae in, in Iowa 2705

Fenchlorphos (*O,O*-dimethyl *O*-(2,4,5-trichlorophenyl) phosphorothioate) against

Aphodius tasmaniae, in pastures 4879

Delia brassicae, on cabbage 4933

Halotydeus destructor, in pastures 4879

Hylemya brassicae, on cabbage 2918

H. platura, on *Phaseolus* 360

Oncopera alboguttata, in pastures 4879

O. rufobrunnea, in pastures 4879

Sminthurus viridis, in pastures 4879

crystal and molecular structure of 4532

in cabbage, toxicity of 4933

with thiram, against, *Tanymecus dilaticollis*, on maize 1350

fenestralis, *Diadegma*

(*Nythobia*)

Fenitrothion (*O,O*-dimethyl *O*-(3-methyl-4-nitrophenyl) phosphorothioate) against

Acanthoscelides obtectus, in stored seeds 453

Acarus siro, in stored wheat 5800

Achaea janata, on *Ricinus communis* 885

Adelges nordmannianae, on *Picea* 5676

Adrastus spp., on maize 4262

Aelia spp., on wheat 1940

Agriotes spp., on maize 4262

Alphitobius diaperinus 2168

Amaurosoma armillatum, on *Phleum pratense* 4876

A. flavipes, on *Phleum pratense* 4876

Amrasca biguttula

on cotton 1484

on okra 6760

Antigastra catalaunalis 2079

aphids

on pea 1451

on *Phaseolus* 1451

on tobacco 7399

Aphis fabae, on sugar-beet 2065, 4921

A. gossypii, on cotton 1484

bark beetles 4418

Bothynoderes punctiventris, on beet 7365

Brachmia macroscopa, on sweet potato 2075

Brevicoryne brassicae, on cabbage 2950

Bruchophagus roddi, on lucerne 6084

Byturus tomentosus, on raspberry 1996

Cassida nebulosa, on sugar-cane 7368

C. nobilis, on sugar-cane 7368

Cecidomyiidae, on lucerne 1986

Fenitrothion contd.

against contd.

Ceutorhynchus assimilis, on rape 1480

C. sulcicollis

on rape 6764

on turnip rape 6764

Chilo partellus, on maize 4840

C. suppressalis 1657

on rice 7254

Chloethrips oryzae, on rice 4848

Choristoneura fumiferana 2545,

3302-3303, 5816

on *Abies* 5682

on *Picea* 913, 5206, 5682

Chortoicetes terminifera 5987

Cnaphalocrocis medinalis 3290-3291

on rice 827

Cnephasia pasiuana 271

Coccidohystrix insolita, on eggplant 6178

Coccus pseudomagnoliarum, on orange 4328

Cryphalus fulvus, on *Pinus* 1519

Cryptolestes ferrugineus, in stored wheat 5062

Cydia molesta, on peach 2022, 2887

C. pomonella, on apple 324, 6020, 6105, 6110

Dalaca noctuides, in pastures 4881

Diacrisia obliqua 863

Diaphorina citri, on orange 341

Dichocrocis punctiferalis, on *Ricinus communis* 885

Drosicha mangiferae, on mango 1436

Enneothrips flavens, on groundnut 7361

Eupoecilia ambiguella, on grapevine 1999

Eupterote canaraica, on coffee 3019

Eurygaster spp., on wheat 1940

E. integriceps

on grain crops 1347

on wheat 1939, 5752, 7663

Glycyphagus destructor, in stored wheat 5800

Haplothrips tritici, on wheat 7237

Heliothis spp., on lucerne 1986

H. armigera

on sorghum 6069

on *Trifolium* 7282

Henosepilachna vigintioctopunctata 4552

Heteronychus arator 6958

Hieroglyphus banian, on rice 4848

Hylobius abietis

on *Picea* 2139

on *Pinus* 2139

H. pales 1664

Hypera spp., on lucerne 1986

Idioscopus clypealis, on mango 3644

Lacanobia oleracea 1598

Lambdina fiscellaria 520

Fenitrothion contd.

against contd.

- Lasioderma serricorne* 1547
Leptispa pygmaea, on rice 4848
Leucoptera scitella, on apple 324
Liriomyza congesta, on *Vicia faba* 2926
Lobesia botrana, on grapevine 314-315
Lygus lineolaris
 on celery 7527
 on potato 7527
Lyonetia clerkella, on apple 324
Macrosiphum avenae, on wheat 1939, 5752
Maruca testulalis, on *Vigna unguiculata* 364, 7356
Neodiprion swaini, on *Pinus* 5682
N. tsugae 520
Nephotettix spp., on rice 1951
N. cincticeps 1657
N. nigropictus, on rice 4848
Nilaparvata lugens 1959
 on rice 287
Nymphula depunctalis, on rice 7253
Operophtera brumata, on apple 2875
Oryzaephilus surinamensis 1022
 in stored wheat 5798
Otiorynchus sulcatus 5542
Oulema melanopus, on wheat 1941
Parthenolecanium corni, on red currant 5546
 pests of cotton 6188
 pests of stored grain 6317
 pests of stored products 6283
Phthorimaea operculella, on potato 7374
Phyllonorycter corylifoliella, on apple 324
P. pyrifoliella, on apple 324
Pieris brassicae 2042
Pineus orientalis, on *Pinus* 5676
Plodia interpunctella 2166
Plusia argentifera 6957
Pristiphora abietina, on *Picea abies* 1525
Psallidium maxillosum, on beet 7365
Psylla mali, on apple 5569, 7508
Quadraspidiotus perniciosus 7305
 on apple 328
Rastrococcus spinosus, on mango 1035
Recurvaria nanella 6099
Rhopalosiphum insertum, on apple 5569, 7508, 7526
R. padi, on wheat 1939
Rhyzopertha dominica, in stored rice 3783
Saccharosydne saccharivora, on sugar-cane 1934
Schizaphis graminum, on wheat 1939, 5752

Fenitrothion contd.

against contd.

- Selenothrips rubrocinctus*, on cacao 1491
Semiaphis dauci, on carrot 4921
Sitophilus granarius 1022, 5798
S. oryzae 5798
 in stored rice 3783
S. zeamais 1672
Sitotroga cerealella
 in stored maize 3791
 in stored rice 3783
Sogatella furcifera, on rice 287, 4865
Spodoptera littoralis 5179, 5182
S. litura
 on *Ricinus communis* 885
 on tobacco 2099
Stigmella malella, on apple 324, 6116
S. plagiocolella, on apple 324
Sundapteryx biguttula, on eggplant 1477
Sylepta derogata, on cotton 4980
Syringopais temperatella, on barley 2786
Tephрина arenacearia, on lucerne 1986
Tetranychus urticae
 on *Calla* 985, 1027
 on *Capsicum* 985, 1027
Thrips tabaci, on tobacco 7399
Trialeurodes vaporariorum 1694
Tribolium castaneum 1037, 5046, 6923
 in stored wheat 5798
Trioza apicalis, on carrot 7371
Tyrophagus putrescentiae, in stored wheat 5800
Udea ferrugalis 3510
Zonocerus variegatus 6605
 formulations of
 contaminants in 5816
 viscosity of 2247
 in *Achaea janata*
 effects on water loss of 6398
 increasing excretion and water loss 3893
 in aerial sprays, tracing deposits from 2545
 in *Apis mellifera*, toxicity of 1043
 in apple, residues of 6110
 in apple orchards, effects on mites of 2011
 in carrot
 effects of 7371
 residues of 526
 in *Coccinella septempunctata*, toxicity of 3955
 in *Conocephalus maculatus*, toxicity of 1657
 in *Encarsia formosa*, toxicity of 1694
 in *Episyrphus balteatus*, toxicity of 3955
 in foodstuffs, residues of 526
 in forests
 effects on birds of 5206

Fenitrothion contd.in forests *contd.*

effects on creek fauna of 5207

non-target effects of 916, 3302-3303, 5816

in fowl, toxicity of 3913

in grain fields, effects on Carabidae of 6040

in hare, toxicity of 2293

in hay, residues of 7663

in honey bees, toxicity of 1480

in *Lagenaria vulgaris*, toxicity of 1446in *Lycosa pseudoannulata*, toxicity of 1657

in maize grain, residues of 6292

in *Metasyrphus corollae*, toxicity of 3955in *Metasyrphus luniger*, toxicity of 3955in *Momordica charantia*, toxicity of 1446

in okra, persistence of 6760

in *Orconectes virilis*, residues of 5207

in partridge, toxicity of 2293

in pastures, non-target effects of 1978, 2833-2834, 7678

in pheasant, toxicity of 2293

in potato, determination of 1824

in quail

cholinesterase inhibition by 5206

toxicity of 3914

in raspberry, residues of 1996

in rat, effects of 3911-3912

in rice, residues of 3310

in rice swamps, non-target effects of 1044

in *Salmo gairdneri*

effects on serum chemistry of 915

residues of 915

in sorghum grain, residues of 6292

in *Spodoptera littoralis*, effects of temperature on susceptibility to 5179

in stored maize, persistence of 1672

in stored sorghum, persistence of 1672

in streams

non-target effects of 914-915, 3303

residues of 3302

in *Tribolium castaneum*, effects on

behaviour of 6253

in wheat, residues of 7663

in wheat grain, residues of 6271, 6292

insecticidal activity of 1957

resistance to, in

Amblyseius fallacis, in Michigan 6025*Chilo suppressalis*, in South Korea 3279*Nephotettix cincticeps*, in South Korea 3279*Nilaparvata lugens*, in Saga Prefecture 1959*Schistocerca americana* 2648

mechanism of 1257

Spodoptera littoralis, and cross-resistance to growth regulators 7651**Fenitrothion contd.**resistance to, in *contd.**Wiseana cervinata*, testing for 2280*W. despecta*, testing for 2280

use of, in ULV sprays 2247

with *Bacillus thuringiensis*

against

Choristoneura fumiferana 3292on *Abies* 5671on *Picea* 5671*Cydia funebrana*, on plum 5550*C. pomonella*, on apple 5550, 6020*Hemerocampa leucostigma* 3292

compatibility of 3293

with Bordeaux mixture, against,

Eupoecilia ambiguella, on grapevine

1999

with chlordimeform, against, *Heliothis**virescens* 6399

with DDT

against

bollworms, on cotton 7391

Cicadellidae, on cotton 7391

with *O,O*-dimethyl *O*-(5-methyl-2-nitrophenyl) phosphorothioate, in carp, toxicity of 3325

with endosulfan

against

Galleria mellonella 517

in beehives 2260

in honey bees, toxicity of 517

with herbicides 2950

with malathion

against

Bagrada hilaris, on *Pennisetum typhoides* 4269

bollworms, on cotton 7391

Chilo polychrysus, on rice 1951*C. suppressalis*, on rice 1951

Cicadellidae, on cotton 7391

Diacrisia obliqua 863*Longitarsus nigripennis*, on *Piper nigrum* 1928

pests of cotton 6188

pests of rice 1356

Schistocerca americana 1253*Schoenobius dodatellus*, on rice 1951*Scirpophaga incertulas*, on rice 1951*Sesamia inferens*, on rice 1951

formulations of, viscosity of 2247

in fish, toxicity of 1356

in rice swamps, non-target effects of 1044

use of, in ULV sprays 2247

with oil emulsion

against

Aonidiella aurantii, on *Citrus* 334*Ceroplastes floridensis*, on *Citrus* 334*Chrysomphalus aonidum*, on *Citrus* 334

Fenitrothion contd.

with oil emulsion contd.

against contd.

Coccus pseudomagnoliarum, on orange 4328*Lepidosaphes beekii*, on *Citrus* 334with phosalone, against, *Stigmella malella*, on apple 6116

with propoxur

against

Nilaparvata lugens, on rice 287*Sogatella furcifera*, on rice 287with zineb, against, *Eupoecilia ambiguella*, on grapevine 1999**Fennel (*Foeniculum vulgare*)***Graphosoma lineatum* on, rearing of 4813**Fensulfothion (*O,O*-diethyl *O*-[4-**

(methylsulfanyl)phenyl]

phosphorothioate)

against

Agriotes spp., on sugar-beet 2663*A. obscurus*, in grassland 300*Asphondylia capsici*, on *Capsicum* 7384*Atherigona soccata*, on sorghum 836, 6067*Cerotoma trifurcata*, on soy bean 4341*Chilo suppressalis*, on rice 2803

Coleoptera 2827

Copitarsia turbata, on *Vicia faba* 697*Cosmopolites sordidus* 684

on banana 1434, 2904

Costelytra zealandica 3190*Curculio sayi*, on *Castanea mollissima* 4896*Delia antiqua*, on onion 4558*D. brassicae* 2041*D. platura*on *Phaseolus vulgaris* 4557

on soy bean 4557

Diptera 2827

Elasmopalpus lignosellus, on groundnut 4342

Elateridae, on tobacco 7398

Heteronychus arator 3196*Hylemya brassicae*, on cauliflower 3327*Hylobius pales* 1664*Lachnosterna nilgiri*, on coffee 2105

Lepidoptera 2827

Liriomyza flaveola, on *Vicia faba* 697*Melanogromyza virens*, on *Vicia faba* 697*Nephotettix cincticeps*, on rice 2803*Orseolia oryzae*, on rice 6064*Otiiorhynchus sulcatus* 1739*Popillia japonica*, in turf 6078*Psila rosae*, on carrot 3189*Scirtothrips dorsalis*, on *Capsicum* 7384*Sphenophorus callosus*, on maize 4264**Fensulfothion contd.**

against contd.

Spissistilus festinus, on soy bean 4341*Spodoptera eridania*, on *Vicia faba* 697*Tetranychus urticae*, on *Phaseolus vulgaris* 5185

thrips, on tea 4991

Tipula paludosa 2824

disulfoton determination in presence of 6385

in carrot, residues of 2073

in earthworms, toxicity of 300

in *Folsomia candida*, toxicity of 3304

in grassland, non-target effects of 300

in *Hypogastrura armata*, toxicity of 3304in *Oncychiurus folsomii*, toxicity of 3304

in pastures, non-target effects of 1978, 2833–2834, 7678

in *Stenolophus comma*, toxicity of 1054
resistance to, in, *Otiiorhynchus sulcatus*, in Ohio 1739

with disulfoton, against, Elateridae, on tobacco 7398

with disulfoton, and isopropalin, against, Elateridae, on tobacco 7398

with herbicides 3327

Fenthion (*O,O*-dimethyl *O*-[3-methyl-4-(methylthio)phenyl] phosphorothioate)

against

Amrasca biguttula, on cotton 1484*Aphis gossypii*, on cotton 1484*Athalia lugens*, on radish 356*Bagrada hilaris*, on *Pennisetum**typhoides* 4269

bark beetles 4418

Bemisia tabaci, on bean 4939*Bothynoderes punctiventris*, on beet 7365*Cephaloleia* spp., on oil palm 7289*Ceratitis capitata* 1040, 3941*Cerconota anonella*, on soursop 4997*Chilo suppressalis*, on rice 7254*Chloethrips oryzae*, on rice 4848*Cnaphalocrocis medinalis*, on rice 827*Conotrachelus psidii*, on guava 345*Cosmopolites sordidus* 684*Cryptorhynchus lapathi*, on *Populus* 2144*Curculio nucum*, on hazel 1405*Cydia funebrana*, on plum 527, 3318*C. pomonella*, on apple 527, 3318*Dacus oleae*, on olive 1433*Diacrisia obliqua* 863*Diaphorina citri*, on orange 341*Earias* spp., on cotton 1484*Eucosma hapalosarca*, on *Populus* 3758*Eupterote canaraica*, on coffee 3019*Eurygaster integriceps*, on wheat 7663*Heliethis armigera*, on sorghum 6069*Henosepilachna vigintioctopunctata* 4552

Fenthion *contd.*against *contd.*

- Heteronychus arator* 6958
Hieroglyphus banian, on rice 4848
Hylobius pales 1664
Lasioderma serricorne 1547
Leptispa pygmaea, on rice 4848
Liriomyza congesta, on *Vicia faba* 2925
Lymantria dispar, on *Quercus* 1632
Nephotettix nigropictus, on rice 4848
Ophiomyia phaseoli, on *Vicia faba* 1448
Pectinophora gossypiella, on cotton 1484
pests of lucerne 4294
Psallidium maxillosum, on beet 7365
Pygaera anastomosis, on *Populus* 3758
Rhagoletis cerasi, on cherry 527, 3318
Rhynchophorus ferrugineus, on coconut 1387
Salina celebensis, on cacao 903
Sitophilus oryzae, in stored maize 446
S. zeamais 1672
Tribolium castaneum 1037
formulations of, viscosity of 2247
in apple orchards, effects on mites of 2011
in apples, residues of 527, 3318
in cherries, residues of 527, 3318
in hay, residues of 7663
in honey bees, toxicity of 2984
in *Lagenaria vulgaris*, toxicity of 1446
in *Momordica charantia*, toxicity of 1446
in plums, residues of 527, 3318
in rice swamps, non-target effects of 1044
in soy bean, inhibiting phorate sulfoxidation 3920
in *Thaumatomyia*, toxicity of 6018
in wheat, residues of 7663
resistance to, in
Amblyseius fallacis, in Michigan 6025
Chilo suppressalis, in South Korea 3279
Nephotettix cincticeps, in South Korea 3279
use of, in ULV sprays 2247
with gum arabic, against, *Paranthrene tabaniformis*, on *Populus* 6219

Fentin acetate ((acetyloxy)triphenylstannane)

antifeedant for

- Achaea janata*, on *Ricinus communis* 3349
Agrotis ipsilon, on *Ricinus communis* 3348
Boarmia selenaria, on coffee 5653
Corcyra cephalonica, in wheat flour 1157
Heliothis armigera, on wheat 5218

Fentin acetate *contd.*antifeedant for *contd.*

- Henosepilachna vigintioctopunctata*, on *Momordica charantia* 1712
Leptinotarsa decemlineata, on potato 2261
Pericallia ricini, on cacao 3929
Spodoptera littoralis, on cotton 1485, 4974-4975
S. litura, on *Ricinus communis* 3349
with maneb
antifeedant for
Agrotis ipsilon, on *Ricinus communis* 3348
Euproctis fraterna, on castor 1711
Henosepilachna vigintioctopunctata, on castor 1711
Lymantria dispar, on *Quercus* 4585
Pericallia ricini, on castor 1711
Spodoptera littoralis, on cotton 4975

Fentin chloride (chlorotriphenylstannane)

antifeedant for

- Achaea janata*, on *Ricinus communis* 3349
Agrotis ipsilon, on *Ricinus communis* 3348
Henosepilachna vigintioctopunctata, on *Momordica charantia* 1712
Papilio demoleus, on *Citrus* 1075
Pericallia ricini, on cacao 3929
Spodoptera littoralis, on cotton 1485, 4974-4975
S. litura, on *Ricinus communis* 3349
in *Tribolium confusum*
effects of carbohydrates and proteins on activity of 2399
effects on digestive enzymes of 2399

Fentin hydroxide (hydroxytriphenylstannane)

antifeedant for

- Agrotis ipsilon*, on *Ricinus communis* 3348
Boarmia selenaria, on coffee 5653
Diachrysia orichalcea, on coffee 3021
Heliothis armigera, on wheat 5218
Spodoptera littoralis, on cotton 1485, 4365, 4974-4975
in *Agrotis ipsilon*, effects of 4687
sterilant for, *Agrotis ipsilon* 4687
with tetradifon
against

Agrotis ipsilon, on *Ricinus communis* 3348

Spodoptera littoralis, on cotton 1485

Fenugreek (*Trigonella foenum-graecum*)

Eurema hecabe on, in Pakistan 1334

Fenusa pusilla

- in Austria 1883
in Canada 1883, 3749, 4791
in Denmark 1883
in France 1883
in Switzerland 1883

***Fenusa pusilla* contd.**

in West Germany 1883

on *Betula*

in Canada 1883

in Quebec 4791

on *Betula papyrifera*, in Newfoundland 3749

parasitised by

Chrysoschelis nitetis, and biological control using, in Canada 1883*Grypocentrus albipes*

and biological control using

in Canada 1883

in Newfoundland 3749

Lathrolestes nigricollis

and biological control using

in Canada 1883

in Newfoundland 3749

Phanomeris dimidiata, and biological

control using, in Canada 1883

Priopoda nigricollis, and biological

control using, in Quebec 4791

fera*, *Tachina*, (*Echinomyia*)**Feronia* (see *Pterostichus*)*****Feronia melanarius* (see *Pterostichus*)*****feroniarum*, *Histiostoma******ferrierei*, *Trichospilus******ferrisi*, *Lindingaspis******Ferrisia virgata***

in India 6654

on *Parthenium hysterophorus*

damage caused by 6654

in Karnataka 6654

ferrugalis*, *Udea***ferrugatus*, *Scymnus******ferruginatus*, *Bibio******ferruginea*, *Apogonia******ferruginea*, *Bothrogonia******ferrugineum*, *Tribolium******ferrugineus*, *Cryptolestes******ferrugineus*, *Placaederus******ferrugineus*, *Rhizophagus******ferrugineus*, *Rhynchophorus******ferrugineus*, *Xyleborus*****Fertilizers**

environmental pollution with 5153, 6952

for beet, effects on *Pemphigus fuscicornis* of 5613

for brussels sprouts, effects on aphids of 6766

for cabbage

cement dust as 7340

insecticides applied with 6765

for coffee, effects on resistance to *Dulinius unicolor* of 3017

for cotton

effects on *Aphis gossypii* of 395, 3715effects on *Bemisia tabaci* of 3005, 5640effects on *Earias* of 3003effects on *Empoasca lybica* of 395**Fertilizers contd.**

for cotton contd.

effects on *Eutetranychus orientalis* of 395for *Eleusine coracana*, effects on*Hysteroneura setariae* of 2797for *Festuca elatior*effects on *Cotinis nitida* of 5523effects on *Popillia japonica* of 5523

for grassland, effects on soil fauna of 1976

for *Larix*, effects on *Aradus cinnamomeus* of 5691

for maize

effects on *Ostrinia nubilalis* of 5504

effects on soil arthropods of 2602

for palm, decreasing susceptibility to *Microcerotermes diversus* 7287

for pastures

comparison of dung-beetle activity and 4285

effects on invertebrate fauna of 1367

for *Phleum pratense*, effects on*Amaurosoma* spp. of 2823for *Picea sitchensis*, effects on *Elatobium**abietinum* development of 5035for pines, effects on *Exoteleia dodecella* of 7441for *Pinus sylvestris*, effects on *Aradus cinnamomeus* of 5691

for rice 6696

effects on *Anaphalocrocis medinalis* of 4846–4847

effects on insect abundance of 833

effects on *Orseolia oryzae* of 1962

effects on stripe disease of 2188

not affecting susceptibility of grain to *Sitotroga cerealella* 1559for *Ricinus communis*, effects on *Samia cynthia* of 4030–4031

for sorghum

effects on *Atherigona soccata* of 4869, 6072effects on *Schizaphis graminum* of 1362

mixed with insecticides 5520

for sour orange, to compensate for effects of *Eutetranychus orientalis* 1432for sugar-beet, effects on *Pemphigus fuscicornis* of 6783for sugar-cane, effects on *Chilo auricilius* of 7221for sunflower, effects on *Amrasca biguttula* of 2987

for wheat

effects on *Atherigona naqvii* of 7233

effects on insect pests of 6917

effects on soil arthropods of 2602
effects on *Steneotarsonemus pashini* of 6675

insecticide adsorption by 3877

with dieldrin 6704

- Fertilizers** *contd.*
 with heptachlor 6704
- ferus, Nabis**
- Fescue** (see *Festuca*)
- festinus, Spissistilus**
- Festuca**
Dolerus nitens on, in Oregon 299
Eriopeltis stammeri on 6994
Glyphipteryx simplicella on, in Karelian ASSR 6700
Pachynematus setator on
 damage caused by 299
 in Oregon 299
- Festuca elatior**
Cotinis nitida on, in Georgia (USA) 5523
Popillia japonica on, in Georgia (USA) 5523
- Festuca ovina**
 Coleoptera on, in Tanzania 4287
 Lepidoptera on, in Tanzania 4287
- Festuca pratensis**
Aelia acuminata on
 damage caused by 6701
 in USSR 6701
Leptopterna dolabrata on
 damage caused by 6701
 in USSR 6701
Melolontha melolontha on, development of 1759
- festucae, Acyrthosiphon, (Metopolophium)**
- festucae, Eriopeltis**
- festucae, Plusia, (Agrotis)**
- Fibigia clypeata, Erysimum** latent virus in, infectivity of 6146
- Ficedula hypoleuca**, eggs of, organochlorine residues in 1047
- ficorum, Gynaikothrips**
- Ficus**
Aonidiella orientalis on, in Uttar Pradesh 1908
Brevipalpus obovatus on, in Bulgaria 3725
Metrorhiza bicolor on, in USA 7142
Parthenothrips dracaenae on, in Bulgaria 3027
Tetranychus turkestanii on, in Bulgaria 2252
T. urticae on, in Bulgaria 2252
- ficus, Aceria**
- Ficus amplissima, Maniella delhiensis** on, in Mysore 4603
- Ficus carica** (see Fig)
- ficus, Chrysomphalus** (see *C. aonidium*)
- Ficus glomerata**
Indarbela spp. on, in Haryana 2867
Pauropsylla depressa on
 in India 5575
 pouch galls of 5575
- Ficus nervosa**
 Psyllidae on
 in Taiwan 5575
- Ficus nervosa** *contd.*
 Psyllidae on *contd.*
 leaf-margin-roll galls of 5575
- Ficus nitida**
Ammalo helops on, in Brazil 5574
Lindingaspis ferrisi on, in Egypt 3511
Mycetaspis personata on, development of 1381
Pachyia ficus on, in Brazil 4807
- ficus, Pachyia**
- ficus, Planococcus**
- Ficus religiosa**
Blastophaga quadriceps on, in Kerala 4603
Lymantria spp. on, in Karnataka 1087
Trioza spp. on
 in India 5575
 pit galls of 5575
- Ficus retusa** var. *nitida* (see *F. nitida*)
- Ficus tomentosa**
Mycopsylla gardenensis on
 in Tamil Nadu 5575
 leaf-margin-roll galls of 5575
- Fieberiella florii**
 in USA 331
 on peach, in Michigan 331
 on *Prunus cerasus*, in Michigan 331
 peach X-disease, causal agent in, transmission of 331
- Field crops**, pests of, in Europe 4488
- Fig (Ficus carica)**
Aceria ficus on, in Egypt 208, 2720
 antifeedant activity of extracts of 3347
Asterolecanium pustulans on, in Egypt 2024
Ceratitis capitata on, in Tunisia 492, 494
Ceroplastes rusci on, in France 2722
Coccus hesperidum on, in Turkey 1427
Eurypepla calochroma on, in USA 7141
Hemiberlesia lataniae on, in Egypt 2024
 insects on, in Iraq 4397
 mealybugs on, in eastern Mediterranean 4302
Perina nuda on, in Tamil Nadu 5464
Phytoseius plumifer on, development of 211
Tetranychus arabicus on, in Egypt 2720, 2891
- Fig (dried fruit), Oryzaephilus mercator** in, development of 4100
- Fig paste**
 particles of animal origin in
 analysis of 1543-1544
 in Portugal 1544
- Fig (stored fruit), insect contamination of, in Portugal 1544**
- figulilella, Ephestia**
- Fiji**
Oryctes rhinoceros in, on coconut 6357
 Scolytidae in 549
Vitellus insularis in, on guava 583
- filaginis, Pemphigus**

Filariidae, in, insects 2732**Filariomyces forficulae**

in

Histiostoma spp., in Florida 958*Labidura riparia*

effects of 958

in Florida 958

filiformis, Calameuta**Filipin**in *Galleria mellonella* diet, not absorbed 34in *Manduca sexta* diet, effects on cholesterol of 34**Filippia**parasitised by, *Microterys anneckeii*, in South Africa 3991taxonomy of, *Euphilippia* as synonym of 3994**Filippia follicularis** (see also *Filippia oleae*)
taxonomy ofcharacters distinguishing *Lichtensia viburni* and 3994*Euphilippia olivina* as synonym of 3994**Filippia oleae** (see also *Filippia follicularis*)

in France 2722

on *Arbutus*, in France 2722preyed on by, *Eublemma scitula*, in France 2722**filum, Calameuta****fimbriata, Chrysoscharidia** (see*Achrysocharis lyonettiae*)**fimbriata, Noctua****fimbriolata, Mahanarva****finetarius, Onychiurus****finetorum, Parasitus****finitimus, Phytoseius** (see *P. plumifer*)**Finland***Acantholyda flaviceps* in, on *Pinus* 3770
Amaurosoma armillatum in, on *Phleum pratense* 2823*A. flavipes* in, on *Phleum pratense* 2823*Anoplonyx versicolor* in, on *Larix* 4605

aphids in, natural enemies of 5451

arthropod pests in 2273

Bostrichus capucinus in, in *Quercus* timber 3104*Calameuta* spp. in 5234*Chaetocnema concinna* in, on sugar-beet 4962

Coccinellidae in 3546

Coccoidea in 6448

Coleoptera in, in oat fields 4833

cultivated plants in, insect pests of 6592
entomology in 3350–3352*Epitrimerus pungiscus* in, on *Picea* 3769*Formica lugubris* in 3773*F. nigricans* group in 3773*F. polyctena* in 3773*F. rufa* in 3773

grain crops in, virus diseases of 7227

Ichneumonidae in 3990

Finland contd.*Ips acuminatus* in 4422*I. amitinus* in 4422*I. duplicatus* in 4422*I. sexdentatus* in 5675*I. typographus* in 4422*Janus luteipes* in 5234*Lyctus linearis* in, in *Quercus* timber 3104*Lygus rugulipennis* in

on sugar-beet 1850, 4962

on wheat 1850

Macrosiphum euphorbiae in, on *Capsicum* 5635*Myzus persicae* in, on *Capsicum* 5635*Panonychus ulmi* in, on deciduous trees 3051*Piesma maculatum* in, on sugar-beet 4962*Pristiphora* spp. in 3997*P. thalenhorsti* in 1718*Reesa vespulae* in, in museums 6852*Rhynchaenus testaceus* in, on *Alnus* 5251

Sphecidae in 5369

spiders in

in grain fields 2767

in grassland 2767

Tetranychus urticae in

on cucumber 974

on deciduous trees 3051

Tomicus piniperda in 5675*Trypodendron lineatum* inin *Picea* timber 2177in *Pinus* timber 2177**finlandicus, Amblyseius****Fiorinia horii**

group of

on *Rhododendron*

in Nepal 2321

in Taiwan 2321

on *Rhododendron metternichii*, in

Japan 2321

Fiorinia hymenanthis

sp. n., description of 2321

in Japan 2321

on *Rhododendron metternichii*, in Japan 2321**Fiorinia odaensis**

sp. n., description of 2321

in Japan 2321

on *Rhododendron metternichii*, in Japan 2321**Fiorinia sikokiana**

sp. n., description of 2321

in Japan 2321

on *Rhododendron metternichii*, in Japan 2321**Fiorinia theae**

control of, insecticides for 6203

in USA 6203

on *Camellia japonica*, in Florida 6203

- Fir** (see *Abies*)
Fir, alpine (see *Abies lasiocarpa*)
Fir, balsam (see *Abies balsamea*)
Fir, Douglas (see *Pseudotsuga menziesii*)
Fir, Frazer (see *Abies fraseri*)
Fir, grand (see *Abies grandis*)
Fir, silver (see *Abies alba*)
Fir, subalpine (see *Abies lasiocarpa*)
Fir, white (see *Abies concolor*)
firmus, Gryllus
fiscellaria, Lambdina
fischeriella, Glyptopterix (see *G. simplicella*)
fiseri, Proctolaelaps
Fish
 acephate in, toxicity of 2657
 bait component for, *Vespa germanica* 5991
 bisthiolcarbamate JH mimics in, not toxic 6940
 chlorinated biphenyls in, residues of 6411
 DDT in, residues of 2299, 2302, 2315, 5212, 6387, 6411
 dieldrin in, residues of 2302, 5212
 fenitrothion in, effects of 5816
 in rice swamps, effects of insecticides on 1044
 insect attractants in, toxicity of 5197
 insecticides in, toxicity of 1356
 methamidophos in, toxicity of 2657
 mirex in, residues of 2299, 7665
 organochlorine insecticides in, residues of 6981
 pesticides in
 metabolism of 7561
 residues of 5771, 7670
 preyed on by, *Belostoma indicum* 6643
 preying on, *Inopus rubriceps* in New South Wales 240
Fish, dried
 Dermestes maculatus in
 development of 1533-1534
 in Nigeria 1534, 4426
 Dermestes maculatus in, in Nigeria 4427
 Necrobia rufipes in, in Nigeria 1534, 4426-4427
 Tribolium castaneum in, in Nigeria 4427
 Trogoderma granarium in, in Nigeria 4427
Fish, dried smoked, Dermestes maculatus in, in Mali 6234
Fish food, insect recycling of animal waste to produce 3513
Fish meal
 bait component for, Carabidae 1358
 Dermestes maculatus in, development of 5700
 Necrobia rufipes in, development of 5700
Fish products
 DDT in, residues of 2299
 mirex in, residues of 2299
 fissa, Lachnosterna
 flabellatus, Elasmus
 flabellifera, Eucheyletia
 flaminus, Homalotylus
 flammea, Panolis
 Flatfish, DDE in, residues of 6409
 flava, Anomis
 (*Cosmophila*)
 flava, Dysaphis
 flava, Euproctis
 flava, Hoplocampa
 flava, Siphia
 flavens, Enneothrips
 flaveola, Liriomyza
 flaveola, Scaptomyza
 flaveolus, Anagrus
 Flaveria australasica, Chrysodeixis chalcites
 on, in Tamil Nadu 6882
 flavescens, Banchus
 flavescens, Empoasca
 flavescens, Icelia
 flavescens, Sitona
 flavicauda, Ctenochira
 flavicauda, Sphaerophoria (see *S. rueppellii*)
 flaviceps, Acantholyda
 flaviceps, Reticulitermes
 flavicollis, Kaloterme
 flavicornis, Scoloposcelis
 flavidum, Pyrgotosoma
 flavidus, Ophion
 flavilinea, Deraeocoris
 flavipes, Amaurosoma
 flavipes, Anaphes
 flavipes, Andrena
 flavipes, Anthrenus
 flavipes, Apanteles
 flavipes, Asaphidion
 flavipes, Chalicodoma, (*Megachile*)
 flavipes, Reticulitermes
 flavipes, Xylocoris
 flavitestacea, Phanerotoma
 flavocapitata, Eoeurysa
 flavomaculata, Lioadalia
 flavoorbitalis, Cremastus, (*Trathala*)
 flavopecta, Conomyrma
 flavopicta, Ophiola
 flavopicta, Spilochalcis
 flavovittatus, Schizobothrus
 flavus, Aphelinus
 flavus, Inopus
 flavus, Metaphycus
 flavus, Microterys
 flavus, Thrips
 flavus, Tychius
 Flax (*Linum usitatissimum*)
 Aphthona euphorbiae on, in East Germany 5637
 Dasineura lini on, in India 1118
 Longitarsus parvulus on, in East Germany 5637
 Flax meal, *Tenebrio molitor* in, development of 2422

Flea beetle (see Chrysomelidae)

Fleeces, pests of 5699

Flemingia congesta, cover crop in coffee plantations, repellent to *Dulinius unicolor* 3017

fleschneri, *Agistemus*

fletcheri, *Parthenolecanium*

flexa, *Tritoxa*

Flexamia satilla

sp. n., description of 1101

in USA 1101

on grasses, in Georgia (USA) 1101

Flight, in insects, books on 6596

floccosus, *Aleurothrixus*

Flooding, of wheat fields, not affecting

Steneotarsonemus panshini 6675

Floracarus cyphomandrae

sp. nov., description of 2325

control of, acaricides for 4323

in Colombia 4323

on *Cyphomandra betacea* 2325

damage caused by 4323

in Colombia 4323

Floracarus theobromae

sp. nov., description of 2325

in Venezuela 4385

on cacao 2325

damage caused by 4385

in Venezuela 4385

floralis, *Ceutorhynchus*

floralis, *Delia* (*Hylemya*)

floralis, *Exochomus quadripustulatus*

floralis, *Nemorilla*

floralis, *Plagionotus*

florentinus, *Coraebus*

Florida

Acantholyda apicalis in, on *Pinus* 3760

A. circumcincta in, on *Pinus* 3760

A. floridanus in

on *Castanea* 3760

on *Pinus* 3760

Agrotis ipsilon in, on lettuce 4923

Aleurocanthus woglumi in

on *Citrus* 6744

on mango 6744

Anastrepha suspensa in 3218

on grapefruit 3830

aphids in, on watermelon 457

Argyrogramma verruca in, on soy bean 4045

Arzama densa in, on *Colocasia esculenta* 2971

Asynapta keeni in, on *Pinus* 5669

biological control in 2750

birds in, pesticide residues in 6979

Blissus insularis in, on *Stenotaphrum secundatum* 2822

Brevipalpus phoenicis in 6805

Cerataphis variabilis in

natural enemies of 2844

on coconut 2844

Ceratitis capitata in 2561

Florida contd.

Ceratitis capitata in contd.

on *Citrus* 4143

Chrysopa spp. in 1309

C. lanata in 780

Cunaxa capreolus in 6616

Dendroctonus frontalis in, on *Pinus* 3759

Diaprepes abbreviatus in 3549

on *Citrus* 3830

on orange 6752

D. abbreviatus on, on *Citrus* 654

Dioryctria spp. in, on *Pinus* 3775

Duplaspidiotus spp. in, on camellia 6804

Ephestia cautella in

in citrus pulp 441

natural enemies of 441

Eriophyes chrysophylli in

on *Chrysophyllum cainito* 2538

on *Chrysophyllum oliviforme* 2538

E. lantanae in, on *Lantana camara* 222

E. theospyri in, on *Diospyros virginiana* 7642

Eurypepla calochroma in 7141

Euschistus tristigmus in 106

Feltia subterranea in, on lettuce 4923

Fiorinia theae in, on *Camellia japonica* 6203

Gryllus firmus in 6525

G. ovisopis in 6525

G. rubens in 6525

Haliaeetus leucocephalus in, pesticide residues in 6410

Haplaxius crudus in, on coconut 6087

Heliothis zea in, on maize 4843, 5498

Herpetogramma phaeopteralis in, on

Cynodon dactylon 2822

Histiostoma spp. in, natural enemies of 958

Homodaula anisocentra in, on *Albizia julibrissin* 6806

Hortensia similis in, on coconut 6087

Howardia biclavis in, on camellia 6804

Ips spp. in 4150

Keiferia lycopersicella in

natural enemies of 382

on tomato 382, 882, 2974

Labidura riparia in, natural enemies of 958

Leptoglossus spp. in, on fruit trees 655

Leptopyga mutica in, on *Chionanthus virginicus* 6807

Liriomyza sativae in, on tomato 3692

L. trifolii in 4924

on celery 4922–4923

on lettuce 4923

Lobodiplosis triangularis in, on *Pinus* 5669

Metriona bicolor in 7142

Mocis disseverans in, in pastures 4283

M. latipes in

in pastures 4283

Florida contd.

- Mocis latipes* in contd.
on grasses 1364
- M. marcida* in, in pastures 4283
- Mycopidopsis silvana* in, on *Pinus* 5669
- M. thoracica* in, on *Pinus* 5669
- Myzus persicae* in, on watermelon 457
- Oncometopia nigricans* in, on coconut 6087
- Pachnaeus litus* in, on *Citrus* 654
- P. opalus* in, on *Citrus* 654
- Panonychus citri* in, on orange 2897
- Pantomorus cervinus* in, on *Citrus* 654
- Parapoynx allionealis* in, on
Myriophyllum spicatum 2747, 3563
- Pheidole floridana* in 5432
- P. moerens* in 5432
- Phenacoccus solani* in, on ornamental plants 410
- Pinus elliottii* in, insect pests of 5679
- Plagiometriona clavata* in 7140
- Plectia nearctica* in, natural enemies of 3132
- Pogonomyrmex badius* in
natural enemies of 1867
on man 1867
- Protupulvinaria mangiferae* in, on mango 7005
- Pseudaonidia* spp. in, on camellia 6804
- Pseudaulacaspis pentagona* in, natural enemies of 3548
- Pseudococcus longispinus* in, on ornamental plants 410
- Pseudopiusia includens* in 3670
on soy bean 4045
- Reticulitermes* spp. in, natural enemies of 2213
- Rhyacionia frustrana* in, natural enemies of 3032
- R. subtropica* in
natural enemies of 3032
on *Pinus* 3033
- rice stem-borers in 1958
- Saissetia coffeae* in
on *Aphelandra squarrosa* 6802
on ornamental plants 410
- S. oleae* in, on orange 2897
- Scapteriscus acletus* in 1868
in pastures 7280
in turf 1796
- S. vicinus* in 1868
in pastures 7280
in turf 1796
- Solenopsis invicta* in 4196
in soy-bean fields 3861
natural enemies of 4197
- spiders in, in citrus groves 4186
- Spodoptera exigua* in 2452, 3904, 4725
on celery 4923
- S. frugiperda* in 4725
on maize 4843, 5498

Florida contd.

- surface waters in, pesticide residues in 7680
- Teleonemia scrupulosa* in, on *Lantana camara* 6657
- Trichoplusia ni* in, on cabbage 4045
- T. oxigramma* in, on soy bean 4045
- Urbanus dorantes* in, on *Desmodium tortuosum* 4336
- U. proteus* in, on *Desmodium tortuosum* 4336
- Xyleborus affinis* in, on *Dracaena fragrans* 411
- X. ferrugineus* in, on *Dracaena fragrans* 411
- Xylocopa micans* in 6869
- X. virginica* in 6869
- Xylosandrus compactus* in, on avocado 332
- floridana*, *Pheidole*
floridanus, *Acantholyda*
floridanus, *Dolichotetranychus*
floridanus, *Euthyrhynchus*
floridensis, *Ceroplastes*
floridensis, *Eurypepla calochroma*
florii, *Fieberiella*
florilega, *Hylemya*
florum, *Opomyza*
florum, *Thrips*
- Flour
bromomethane in, residues of 450
diet component for, *Ephestia kuehniella* 1243
- Lepidoptera in, in Yugoslavia 6885
- pest control in
food additives for 6248
radio-frequency irradiation for 7471
tricalcium phosphate for 1548
- pests of, in USA 3089
- Tenebrio molitor* in, damage caused by 3794
- Tribolium castaneum* in
activity of 4729
development of 608
- T. confusum* in, development of 608
- Flour mills
arthropods in
in Portugal 1535-1536
in Yugoslavia 6853
- insect pests in, in India 1562
- insects in, in Egypt 451
- Fluorescein
for protecting *Bacillus thuringiensis* spores from UV 486
- sodium salt, as UV photoprotective for *Bacillus thuringiensis* 2214
- Fluorescent antibody technique
for comparing insect-infecting rickettsiae 3825
- for detecting *Chilo* iridescent virus 3826-3827

Fluorescent antibody technique *contd.*

- for detecting granulosis virus in *Cydia pomonella* 6331
- for detecting grapevine Pierce's disease bacterium in hosts and vectors 2856

Fluorine

- in atmosphere, effects on *Adelges abietis* on *Picea* of 1527
- in *Rhyacionia buoliana*, residues of 1812
- compounds, against, forest pests 2127

Flycatcher, pied (see *Ficedula hypoleuca*)**FMC 33297** (see Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester)**fockeui, Aculus****Fodder crops**

- Epichoristodes acerbella* on 407
- pest control on, in UK 3272

Foeniculum vulgare (see Fennel)**Folbex** (see Chlorobenzilate)**Folcid** (see Captafol)**Folic acid**

- diet component for, *Oryzaephilus mercator* 2418
- in *Heliothis virescens* diet, requirement for 665
- in *Sitophilus oryzae* diet, requirement for 1757
- Tetranychus urticae* feeding response to 1710
- in *Oryzaephilus mercator* diet, requirement for 5852

Folidol (see Parathion)**Folimat** (see Omethoate)**Folithion** (see Fenitrothion)**follicularis, Filippia****Folpet** (2-[(trichloromethyl)thio]-1*H*-isindole-1,3(2*H*)-dione)

- against, *Aspergillus niger* 3282
- in *Trichogramma cacoeciae*, effects of 3910

folsomi, Onychiurus**Folsomia candida**, insecticides in, toxicity of 3304**folus, Udaspes****Fomes nigrolimitatus**, in, *Abies grandis*, in Idaho 3047**Fonofos** (*O*-ethyl *S*-phenyl ethylphosphonodithioate)

- adopted as common name in *RAE*, p. 7
- against

Adraustus spp., on maize 4262

Agriotes spp. 152, 2281

on maize 4262

on potato 2964

on sugar-beet 2663

Blissus insularis, on *Stenotaphrum*

secundatum 2822

Curculio sayi, on *Castanea mollissima* 4896

Delia antiqua, on onion 4558

Fonofos *contd.*

against *contd.*

Delia *contd.*

D. brassicae, on cauliflower 5598

D. coarctata, on wheat 7587

D. platura, on *Phaseolus lunatus* 4557

Elasmopalpus lignosellus, on groundnut 4342

Herpetogramma phaeopteralis, on

Cynodon dactylon 2822

Hylemya antiqua, on onion 2652

H. brassicae, on brussels sprouts 2651

Keiferia lycopersicella, on tomato 882

Melolontha melolontha 2281

pests of maize 7603

Phytobia cepae, on onion 379

Psila rosae, on carrot 2957

Sphenophorus callosus, on maize 4264

S. maidis, on maize 498

Thrips tabaci, on onion 380

wireworms 4763

in carrot, residues of 2957

in *Harpalus rufipes*, toxicity of 802

in maize, persistence of 7603

in pea, effects of mineral deficiency on uptake of 5776

in *Pterostichus*, toxicity of 802

in soil, residues of 2957

in wheat, effects of 7587

oxidative rearrangement of 1011

with atrazine, and butylate, in farm yards, effects on orthopteroids of 7168

Food crops

organochlorines in, residues of 1045

pest control on, ULV sprays for 7506

Food-handling premises, pest control in 6856**Food-manufacturing premises**, pest control in 6857**Food packaging**, insect penetration of 6291**Foodstuffs**

bromine in, origins of 2314

dichlorvos in, determination of 3100, 5056

insect-resistant containers for 4431

insecticides in, residues of 3333, 5140

insects in, detection of 6300

mites in, in Peru 5707

organochlorine insecticides in, residues of 5155

pest control in 6855

pesticide residues in, in Poland 6969

pesticides in

effects of processing on residues of 3880

metabolism of 6302

persistence of 2276

residues of 3887, 5141, 6929-6932, 6951, 7646

pests of

in Alaska 3779

in Yugoslavia 5045

Foodstuffs *contd.**Tribolium destructor* in, in USSR 6305*Trogoderma inclusum* in 1158*T. variabile* in 1160**Forage crops**

arthropod pests of, in UK 545

pest control on, in UK 4181

pests of

in Mexico 1164

in West Germany 6993

Tipula paludosa on, in Washington 2824**Forage plants**, insect pests of, in Finland 6592**forbesi, Aphis****Forcipestricis**, parasitising, *Forcipomyia fuliginosa* 5463**Forcipestricis gazeaui**

in USA 5462

parasitising

Forcipomyia picea 5463*F. simulata*, in Maryland 5462taxonomy of, characters distinguishing *F. portoricensis* and 5462**Forcipestricis portoricensis**

sp. nov., description of 5462

in Puerto Rico 5462

parasitising, *Forcipomyia fuliginosa*, in Puerto Rico 5462**Forcipomyia**

attractants for 1071

BHC in

effects of 2102

toxicity in 4383

carbaryl in, toxicity in 4383

habitats of 2102

in Japan 1071

life-history of 2102

methyl-parathion in, toxicity in 4383

on cacao

as pollinator 402, 1493, 2102, 4383

in Brazil 1493, 2102, 4383

in Ghana 402

taxonomy of 1493

Forcipomyia fuliginosa

control of, biological 5462

habitats of 5463

in Brazil 5463

in Costa Rica 5463

in Ghana 5463

in Puerto Rico 5462-5463

in Singapore 5463

in Trinidad and Tobago 5463

on cacao, as pollinator 5463

parasitised by

Forcipestricis spp. 5463*F. portoricensis*, in Puerto Rico 5462**Forcipomyia picea**parasitised by, *Forcipestricis gazeaui*

5463

taxonomy of, *Forcipomyia simulata* as

synonym of 5463

Forcipomyia simulata

in USA 5462

parasitised by, *Forcipestricis gazeaui*, in Maryland 5462taxonomy of, synonym of *F. picea* 5463**Forcipomyia spatulifera**

in Brazil 1493

on cacao

as pollinator 1493

in Brazil 1493

Forda hirsuta, in Portugal 4207**Forest pests**

control of

Bacillus thuringiensis for 6819

biological 5683

forecasting infestations of 2618

in Canada 917, 5673

in East Africa 3355

in New Zealand 2271

in Quebec 5680-5681

in West Germany 5684

parasitised by, *Conomorium patulum*, in USSR 6221

preyed on by

ants 5092

birds 5092

Formica spp., in Ukraine 7179*F. rufa*, and biological control using, in Italy 968**Forest-steppe**, *Apion* spp. in, in Ukraine 7182**Forest trees***Chrysobothris* spp. on, in Europe 6443

Curculionidae on 6613

insects on, in Iraq 4397

pests of, in West Germany 6993

Forests*Achaearanea tepidariorum* in, in Nagasaki Prefecture 2718*Aphaenogaster perplexus* in, in Papua New Guinea 1270*Apion* spp. in, in Ukraine 7182

arthropod communities in, mathematical models of 7412

arthropods in, in Greece 2134

Collembola in

effects of burning on 2669

in South Carolina 2669

Dysdercus melanoderes in, in Ivory Coast 2503*Epilachna pustulosa* in, in Japan 1079*Eurygaster* spp. in, in Romania 6671

fenitrothion in

effects on birds of 5206

effects on creek fauna of 5207

non-target effects of 916, 5816

insect damage in, assessment of 2271

insecticides in, residues of 1045

Isoptera in

effects of clearing and grazing on 2600

in Senegal 3559

Forests contd.

- Lasiocampidae in, in Soviet Far East 1874
- Lymantria dispar* in, in Connecticut 926
- Lymantriidae in, in Soviet Far East 1874
- pest control in 5010
- in India 2127
- in Poland 6840
- Polycyon stouti* in, in California 2176
- Pristiphora abietina* in, in Austria 2296
- Rhyacionia buoliana* in, in Czechoslovakia 1812
- termites in, in Chekiang Province 6645
- Xyleborini in, in Brazil 5692
- Forests, ash-maple, earthworms in, not affected by *Bacillus thuringiensis*** 2233
- Forests, beech**
- Diptera in, in Poland 5017
- Lepidoptera in, in Poland 5017
- Forests, broadleaved, invertebrates in, in USSR** 2502
- Forests, coniferous**
- Formica rufa* group in, in Turkey 2160
- invertebrates in, in USSR 2502
- Forests, fir, BHC in, residues of** 4579
- Forests, larch**
- DDT in, non-target effects of 5660
- phosphamidon in, non-target effects of 5660
- Forests, oak**
- Coleoptera in, in Poland 5017
- Diptera in, in Poland 5017
- Hymenoptera in, in Poland 5017
- Lepidoptera in, in Poland 5017
- Magickada* spp. in, in Ohio 7165
- Forests, oak-hazel, Carabidae in, in Belgium** 1199
- Forests, oak-hickory, Scolytidae in, in Missouri** 5672
- Forests, oak-hornbeam, *Formica polyctena* in, in West Germany** 3771
- Forests, pine**
- Carabidae in
- effects of soil on 5005
- effects of species composition on 5005
- Staphylinidae in, in Ukraine 6220
- Forests, rain**
- social wasps in
- in Ecuador 4204
- in Panama 4204
- forficulis, Evergestis* (*Pionea*)**
- Forficula auricularia***
- biology of 3476, 5982
- dispersal of 7115
- humidity preferences of, effects of temperature and light on 5349
- in Canada 3476, 5982, 7031, 7115
- in France 6732
- in UK 796, 4772
- in USA (Hawaii) 7143
- in grain fields, in England 4772

***Forficula auricularia* contd.**

- polymorphism in 7031
- preying on
- aphids, in England 4772
- Cydia pomonella*
- in England 796
- in France 6732
- Forficulidae, preying on, *Diatraea saccharalis*, in Louisiana** 235
- Forficulina, preying on, *Scotinophara coarctata*, in Malaya** 4853
- forficulus, Macrosteles***
- Formaldehyde**
- diet component for
- Aegeria pictipes* 1845
- Agrotis segetum* 6572
- Eurygaster integriceps* 5388
- Hydraecia micacea* 1238
- Mamestra brassicae* 6573
- Ostrinia nubilalis* 5393
- Pectinophora gossypiella* 3491
- Spodoptera litura* 1239
- S. mauritia* 4032
- for sterilising insect rearing containers 6327
- Formalin (see Formaldehyde)**
- Formamide, *N*-(4-chloro-2-methylphenyl)- in *Chilo suppressalis*, chlordimeform metabolite** 5801
- in man, chlordimeform metabolite 3909
- in rat, chlordimeform metabolite 5801, 6408
- Formamide, *N,N'*-(1,4-piperazinediylbis(2,2,2-trichloroethylidene))bis- (see Triforine)**
- Formamide, *N*-[2,2,2-trichloro-1-[(3,4-dichlorophenyl)amino]ethyl]- (see Chloraniformethan)**
- Formetanate (*N,N*-dimethyl-*N'*-(3-[[[(methylamino)carbonyl]oxy]phenyl]methanimidamide)**
- against
- Lygus lineolaris*, on apple 4314
- Tetranychus urticae*, on hop 1337
- in *Amblyseius fallacis*, toxicity of 3902
- in cucumber, toxicity of 4557
- in *Typhlodromus pyri*, toxicity of 3902
- resistance to, in, *Tetranychus urticae*, in New Zealand 1644
- with chlordimeform
- against
- Brevipalpus obovatus* 3725
- Tetranychus arabicus*, on cotton 891
- T. cucurbitacearum*, on cotton 891
- T. urticae*, on bean 515
- Formex (see 1-Propene, 2-methyl-, homopolymer)**
- Formic acid**
- Oecophylla longinoda* defensive-secretion component 4628

Formic acid *contd.*

- ethyl ester
 - fumigant for
 - currants 6248
 - raisins 6248
- methyl ester
 - fumigant for
 - currants 6248
 - raisins 6248

Formica

- in Nearctic region 3998
- preying on
 - Operophtera brumata*, in USSR 5454
 - Tortrix viridana*, in USSR 5454

Formica aquilonia

- habitats of 755
- in Bulgaria 755
- preying on, forest pests 4764

Formica exsecta

- habitats of 755
- in Bulgaria 755

Formica fusca

- mandibular-gland secretion of, increasing proportion of apterae in aphids 4621
- tending, *Aphis fabae* 4621

Formica japonica

- associated with, *Myzus persicae*, in Japan 3837
- in Japan 3837

Formica lugubris

- conservation of 3773
- food of 756
- habitats of 755, 4201
- in Bulgaria 755-756
- in Canada, introduction of 4764
- in Finland 3773
- in Italy 4764
- in UK 4201
- population density of 3773
- preying on
 - forest pests 4764
 - insects, in Bulgaria 756

Formica nigricans

- biology of 7179
- enzymes in 2398
- habitats of 755
- in Bulgaria 755
- in USSR 7179
- preying on, forest pests, in Ukraine 7179
- group of
 - conservation of 3773
 - in Finland 3773
 - population density of 3773

Formica polyctena

- attacking behaviour in 1266
- biology of 7179
- cocoon-care behaviour in 7117
- conservation of 3773
- foraging activity in 3771-3772
- foraging in 1268
- habitats of 755
- in Bulgaria 755

Formica polyctena *contd.*

- in Finland 3773
 - in USSR 5454, 7179
 - in West Germany 757-759, 1268, 3771-3772
 - population density of 3773
 - predatory behaviour in 757-759
 - prey of 1266
 - in USSR 5454
 - preying on
 - forest pests 4764
 - in Ukraine 7179
 - insects, in West Germany 757-758
 - Tenebrio* spp. 757
 - recruitment behaviour in 3772
- Formica pratensis** (see *F. nigricans*)
- Formica rufa**
- biology of 769, 7179
 - food of 756
 - habitats of 755, 4201
 - hemolymph in, developmental changes in proteins in 5247
 - in Bulgaria 755-756
 - in Finland 3773
 - in Italy 968
 - in UK 4201
 - in USSR 5454, 7179
 - population density of 3773
 - prey of
 - in USSR 5454
 - selection of 769
 - preying on
 - forest pests
 - and biological control using, in Italy 968
 - in Ukraine 7179
 - insects, in Bulgaria 756
 - Tortrix viridana*, and biological control using, in Russian Republic 6832
 - group of
 - in Bulgaria 2160
 - in coniferous forests, in Turkey 2160
- Formica sanguinea**
- habitats of 755
 - in Bulgaria 755
- Formica truncorum**
- habitats of 755
 - in Bulgaria 755
- formicarius, Cylas**
- formicarius, Thanasimus**
- Formicidae**
- as pests of honeybees, in South Africa 5954
 - control of 6857
 - DDT in, effects of 6968
 - destruction of *Osmia georgica* nests by 4695
 - in Bangladesh 4180
 - in UK 8
 - in cacao plantations, in Nigeria 3015
 - in forests, effects of malathion on 2296

Formicidae contd.

- in larch forests, effects of insecticides on 5660
 in soil 5931
 on cacao, in Ghana 1490
 preying on
 Bombinae, in North America 3550
 Diatraea saccharalis, in Louisiana 235
 forest pests 5092
 Heliothis armigera, in Thailand 3176
 insects, and biological control using 754
Leucoma salicis, in Russian Republic 6817
Lymantria dispar, in Europe 3168
Microcerotermes diversus, in Iran 7287
Reticulitermes flavipes, in Connecticut 1921
Rhyacionia neomexicana 3066
Scotinophara coarctata, in Malaya 4853
 taxonomy of 4608

Formicidol (see 4,7-Methano-1*H*-indene, 1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-)

Formicoidea, in Poland 7132

Formol (see Formaldehyde)

formosa, *Barylypa*

formosa, *Chrysopa*

formosa, *Encarsia*

(*Trichoporus*)

formosana, *Enarmonia*

formosanus, *Coptotermes*

formosanus, *Odontotermes*

formosanus, *Phytoscaphus*

formosanus, *Platynychus*

Formothion (*S*-[2-(formylmethylamino)-2-oxoethyl] *O,O*-dimethyl phosphorodithioate)
 against

Amrasca devastans, on eggplant 884

Aphis fabae 5193

on *Vicia faba* 3285, 5194

A. gossypii, on eggplant 884

Athalia lugens, on radish 356

Bemisia tabaci, on tomato 7381

Brevicoryne brassicae, on cabbage 4329

Cavariella aegopodii, on carrot 876

Chilo infuscatellus, on sugar-cane 6667

Cnaphalocrocis medinalis 3291

Coccus viridis, on coffee 2106

Cryptorhynchus lapathi, on *Populus* 2144

Cydia pomonella, on apple 6020

Diaphorina citri, on orange 341

Eulecanium bituberculatum, on apple 5570

Leucinodes orbonalis, on eggplant 884

Lipaphis erysimi, on mustard 4545

Formothion contd.

against contd.

Liriomyza congesta, on *Vicia faba* 2926

Myzus humuli, on hop 226

M. persicae 1670

on *Gerbera jamesonii* 1501

Oligonychus indicus, on sorghum 2819

Parlatoria oleae, on olive 5587

Pegomya mixta, on beet 4963

Pemphigus bursarius 2912

Phthorimaea operculella, on potato 3685

Pseudococcus obscurus, on saxifrage 2111

Quadraspidiotus perniciosus, on apple 328

Salina celebensis, on cacao 903

Tetranychus cucurbitacearum

on sesame 4355

on sunflower 4355

T. neocaledonicus, on eggplant 2975

T. urticae, on *Gerbera jamesonii* 1501

thrips, on tea 4991

Thrips tabaci, on tobacco 5651

Trialeurodes vaporariorum 1694

in *Anystis baccarum*, toxicity of 6418

in *Apis cerana*, toxicity of 7672

in *Apis mellifera*, toxicity of 1043

in apple orchards, effects on mites of 2011

in cabbage, residues of 528

in *Encarsia formosa*, toxicity of 1694

in plum, residues of 528

in rabbit, effects on reproduction of 3305

in sheep, effects on reproduction of 3305

in *Vicia faba*, effect of washing on persistence of 5194

resistance to, in

Dacus oleae, selection for 1039

Myzus humuli, in Poland 5120

M. persicae, in Poland 512

with *Bacillus thuringiensis*, against, *Cydia pomonella*, on apple 6020

with oil emulsion, against, *Parlatoria oleae*, on olive 5587

Formparanate (*N,N*-dimethyl-*N'*-[2-methyl-4-[(methylamino)carbonyl]oxy]phenyl]methanimidamide)

adopted as common name in *RAE*, p. 7
 against

Myzus humuli, on hop 1337

Tetranychus urticae, on hop 1337

forficatus, *Xyleborus*

forticornis, *Rhinacloa*

fortis, *Bothrotes*

Foschlor (see Trichlorphon)

Fosdrin (see Mevinphos)

Fosfaman (see BHC (γ -isomer), with dimethoate)

Fosfonton (see Malathion)

Fosfotox (see Dimethoate)

- Fospirate** (dimethyl 3,5,6-trichloro-2-pyridinyl phosphate)
adopted as common name in *RAE*, p. 7
against
 Hylobius pales 1664
 Lambdina fiscellaria 520
in *Cynodon dactylon*, chlorpyrifos-methyl
 metabolite 1981
in maize, chlorpyrifos-methyl metabolite
 1981
with chlordimeform, against, *Heliothis*
 virescens 6399
- fossor, Clivina**
- Fotiol** (see Methyl-parathion)
- fotheringhamiae, Phytoseius**
foveicollis, Aulacophora
foveolatus, Pediobius
- Fowl** (*Gallus domesticus*)
 cyanofenphos in, toxicity of 3913
 cyanophos in, toxicity of 3913
 o,p-DDT in, metabolism of 6400
 diazinon in, metabolism of 5202
 fenitrothion in, toxicity of 3913
 malathion in, effects on blood sugars of
 3918
 organic phosphates in, relation of serum
 copper and delayed neurotoxicity of
 3338
 phosmet in, toxicity of 3326
 Salithion in, toxicity of 3913
- Fowl dung, Aphodius tasmaniae** responses to
 4584
- Fowl eggs**
 organochlorine insecticides in, residues of
 3321
 polychlorinated biphenyls in, residues of
 3321
- foxi, Mocuellus**
fragaefolii, Chaetosiphon, (*Pentatrachopus*)
Fragaria, Chaetosiphon thomasi on, in Chile
 3356
- Fragaria ananassa, Chaetosiphon fragaefolii**
 on, resistance to 844
- Fragaria chiloensis**
 Chaetosiphon fragaefolii on, resistance to
 844
 Galerucella grisescens on, in Japan 586
 Tetranychus urticae on, resistance to
 1391
- Fragaria virginiana**
 Chaetosiphon minor on, in North
 Carolina 6091
 strawberry mild yellow edge virus in, in
 North Carolina 6091
- fragariae, Macrosiphum** (*Sitobion*)
fragilis, Pseudococcus (see *P. calceolariae*)
- France**
 Adelges spp. in, on *Picea* 4404
 A. abietis in, on *Picea* 7426
 A. tardus in, on *Picea* 7426
 Adelphocoris lineolatus in, on lucerne
 2841
- France contd.**
 Agrilus biguttatus in, on *Quercus* 7427
 Agriotes spp. in, on potato 2964
 Agrotis segetum in, natural enemies of
 6346
 Aleurothrixus floccosus in
 on *Citrus* 6128
 on sour orange 5099
 Aonidiella aurantii in, natural enemies of
 5098
 Aphanostigma piri in 2019
 on pear 2018
 aphids in
 in carrot fields 7156
 natural enemies of 6450
 on glasshouse crops 982
 Aphis fabae in
 natural enemies of 5084
 on sugar-beet 3958
 Apion spp. in, on *Trifolium* 841
 apple in, insects associated with 3630
 beet in, pests of 2947
 Bradybatus creutzeri in, on *Acer* 5015
 Caliroa spp. in 1091
 Carpoglyphus lactis in, in prunes 7474
 Cechenotettix quadrinotatus in, on
 Lavandula hybrida 217
 Cenopalpus spinosus in 7011
 Chilo suppressalis in, on rice 5073
 Chrysodeixis chalcites in, natural enemies
 of 6882
 Cnephasia pumicana in, natural enemies
 of 1243
 Coccus hesperidum in, on *Citrus* 5108
 Coleophora serratella in 5011
 Contarinia medicaginis in
 natural enemies of 1984
 on lucerne 1984
 Cydia pomonella in
 natural enemies of 6732
 on apple 3623, 3874, 6732, 7551
 Dacus oleae in
 natural enemies of 4780
 on olive 4780
 Dasineura ignorata in, on lucerne 1984
 Dendroctonus micans in, on *Picea* 7409
 Dialeurodes citri in, on *Citrus* 6123
 Drosophila melanogaster in 2455
 Ectomyleois ceratoniae in, on *Ceratonia*
 siliqua 1404
 Ephesia kuehniella in, natural enemies of
 3857
 Epichoristodes acerbella in, on carnation
 6810
 Eublemma scitula in 2722
 Fenusa pusilla in, natural enemies of
 1883
 Glycyphagus domesticus in, in prunes
 7474
 Hoplocampa flava in, on *Prunus insititia*
 5386
 H. minuta in, on *Prunus insititia* 5386

France contd.

- Hyalesthes obsoletus* in, on *Lavandula hybrida* 217
Hylemya antiqua in, on onion 2652
H. brassicae in 4518
H. platura in, on carrot 5392
Hypera postica in 6517
Lepidoptera in 2616
 natural enemies of 2128
 on *Larix* 2128
Lepidosaphes beckii in, on *Citrus* 6127, 6134
Leptinotarsa decemlineata in, on potato 2963, 7609
lucerne in, pests of 4294
Lygus rugulipennis in, on lucerne 2841
Macrophya albicincta in, on elder 6428
M. alboannulata in, on elder 6428
M. crassula in, on elder 6428
M. ribis in, on elder 6428
maize in, pests of 3950
Melolontha melolontha in, natural enemies of 1900
Microctonus aethiopoides in 4602
Micromus angulatus in 6021
mites in, in stored rape seed 1554
Myzus persicae in, on rape 5460
Noctuidae in 638
orchards in, pest control in 7535, 7563
Ostrinia nubilalis in
 natural enemies of 5497
 on maize 5497, 5502, 7609
Panonychus ulmi in, on apple 7551
peach in
 pest control on 7548
 pests of 7548
pear in, pest control on 6733, 7546
Pegomya betae in, on sugar-beet 3958
Pieris brassicae in, natural enemies of 3857
plum in
 pest control on 7549
 pests of 7549
Prays oleae in, on olive 2575
Psila rosae in, on carrot 2957, 5392
Psylla pyri in, on pear 7547
Reticulitermes lucifugus in 2738
Saissetia oleae in, on *Citrus* 5108
Scaphoideus littoralis in, on grapevine 7481
Scolytus rugulosus in 321
sugar-beet in, pests of 3950
Synanthedon tipuliformis in 6712
Tachinidae in, hosts of 548
Tetranychidae in 3170
 on glasshouse crops 977
Tomicus destruens in, on *Pinus* 604
Tortricidae in 1139, 3498
Trioza alacris in, on *Laurus nobilis* 2763–2764
Tyrophagus putrescentiae in
 in prunes 7474

France contd.

- Tyrophagus putrescentiae* in contd.
 in stored rape seed 1554
Zeiraphera diniana in
 natural enemies of 1294
 on *Larix* 3058
frangulae, *Aphis*
Frankliniella
 control of, insecticides for 3958
 on cotton, in USA 3958
Frankliniella dampfi (see *F. schultzei*)
Frankliniella difficilis, in Peru 676
Frankliniella insularis, in Peru 676
Frankliniella intonsa, in Japan 5408
Frankliniella occidentalis
 control of, insecticides for 2871
 in Canada 2871
 on apple, in British Columbia 2871
 on melon 3656
Frankliniella parvula
 biology of 902, 1435
 control of
 crop management for 1435
 insecticides for 1435
 in Mexico 902, 1435
 on banana, in Mexico 902, 1435
 on cacao, in Mexico 902
Frankliniella schultzei
 in India 7028
 in Peru 1245
 on cotton, in Peru 1245
 on lentil, in Peru 1245
Frankliniella tritici
 in Canada 6095
 on grapevine, in British Columbia 6095
Frankliniella tuberosi
 in Peru 1245
 on potato, in Peru 1245
 on *Solanum bukasovii*, in Peru 1245
Frankliniella williamsi
 in Peru 1245
 on maize, in Peru 1245
Franklinothrips vespiformis
 distribution of 3357
 on *Terminalia carappa*, in Mexico 3357
frappai, *Stethoconus*
fraterculus, *Anastrepha*
fraterna, *Anomala dorsalis*
fraterna, *Euproctis*
frauenfeldi, *Dacus*
fraxini, *Hypophloeus*
fraxini, *Leperisinus*
fraxini, *Prociphilus*
fraxinicola, *Eurytoma*
Fraxinus
 Chionaspis salicis on, in Caucasus 6808
 Hylesinus crenatus on, in Poland 1300
 Leperisinus fraxini on, in Poland 1300
 L. orni on, in Poland 1300
Fraxinus americana, *Cossus cossus* on, in Bulgaria 420

Fraxinus pennsylvanica

- Podosesia syringae* on
damage caused by 922
in Mississippi 922

freemani, Carpophilus**freemani, Nepytia****Freesia**

- arthropod pests of, in UK 545
Rhizoglyphus engelii on, damage caused
by 5411

Freesia (stored corms), Rhizoglyphus

- echinopus* in, in England 5411

Freight containers, gas interchange in 6278**frenata, Micraspis (Alesia)****frenchi, Coptotermes****frewingi, Efferia****friedae, Camponotus****frigidus, Bombus****frigidus, Euceros****frischii, Dermestes****frit, Oscinella****fritzmuelleri, Lipaphis****Frog**

- DDT in, residues of 2315
in rice swamps, effects of insecticides on
1044
preying on, *Oxychanus fuscomaculatus*, in
Tasmania 1366

froggatti, Edwardsiana (see E. australis)**Frontalin (see 6,8-Dioxabicyclo[3.2.1]octane,
1,5-dimethyl-)****frontalis, Chirothrips****frontalis, Dendroctonus****frontalis, Modicogryllus****frontalis, Pagiocerus****frontalis, Systena 2851****Frontalure (see Bicyclo[3.1.1]hept-2-ene,
2,6,6-trimethyl-, with 1,5-dimethyl-6,8-
dioxabicyclo[3.2.1]octane)****frontatus, Pachyrhinadoretus rugipennis****fronto, Sitona****fructicassiiella, Trachylepidia****fructicolus, Amblyseius****fructivora, Melissoblaptes****fructivora, Tirathaba****Fructofuranosidase, β -**

- in Acridid guts, not found 5866
in *Chilo partellus* gut 581
in *Costelytra zealandica* gut 2828
in *Dasineura amaramanjarae* gut 4038
in *Dasineura lini* 1118
in *Gilpinia hercyniae*, specific activity of
1509
in *Heliothis zea* gut 3404
in *Locusta migratoria* gut, not found 739
in *Pectinophora gossypiella* gut 579
in *Phthorimaea operculella* gut 4649
in *Spodoptera littoralis*
effects of antifeedants on 1074
effects of dietary sugars on 1119
in *Tribolium confusum*, effects of
antifeedants on 2399

D-Fructose

- diet component for
Copidosoma truncatellum 190
Metasyrphus corollae 1121
Syrphidae 1121
Galerucella grisescens feeding response to
586
in *Basidiobolus ranarum*, effects on
growth and sporulation of 6879
in *Conidiobolus osmodes*, effects on
growth and sporulation of 6879
in *Entomophthora*, effects on growth and
sporulation of 6879
in *Lachnus honeydew* 2428
in *Locusta migratoria* 163
in *Odontotermes obesus* diet, absorption
of 4624
in sugar-cane, effects on *Melanaphis
indosacchari* reproduction of 2380
in *Thelaxes suberis* honeydew 2428
Phthorimaea operculella feeding responses
to 3683
6-(dihydrogen phosphate)
in *Locusta migratoria*
effects on sucrose synthesis of 163
role in chitin synthesis of 3522

frugalis, Mocis**frugiperda, Spodoptera****Fruit**

- parathion in, determination of 7151
pesticide taints in, avoidance of 7675

**Fruit bushes, insect pests of, in Finland
6592****Fruit crops**

- arthropod pests of, in East Germany
7160
pest control on, in UK 4181
pests of
in Malawi 7685
in Malaysia 2678
in West Germany 6993

Fruit (dried)

- fumigation of, standards for 6926
pests of 5715
Plodia interpunctella in, in California
3086

**Fruit, fermenting, Drosophilidae on, in
Mascarene Islands 7131****Fruit orchards**

- Coccinellidae in, in Finland 3546
insecticides in, residues of 1045

Fruit trees

- Adoxophyes orana* on, in Japan 1849
Aporia crataegi on, in USSR 5551
Brevipalpus obovatus on, in Egypt 3440
Cenopalpus spp. on, in Iran 6547
Chrysobothris spp. on, in Europe 6443
Diaspidinae on, in Egypt 7283-7284
Epichoristodes acerbella on 407
Lachnosterna plaiei on, in Guadeloupe
474
leafrollers on, in Bulgaria 2864, 3873

Fruit trees *contd.*

- Lepidoptera on, in Japan 3841
Leptoglossus spp. on, in Florida 655
Microcerotermes diversus on, in Iran 7287
Mycetaspis personata on, in Egypt 1381
 pest control on 1629
 in Japan 3200
 without insecticides 5555
 pests of
 in Denmark 5400
 in Europe 4488
 in USA 5555
 in USSR 6431
Pseudococcus longispinus on, in Egypt 4092
Quadraspidiotus perniciosus on, in California 1640
Recurvaria nanella on, in Crimea 6099
Scolytus mediterraneus on, in Israel 6720
 Tetranychidae on
 in Japan 3838
 in USSR 6102
Tetranychus urticae on, in Iran 6547
 Tortricidae on, in Europe 7552
Frumin (see Disulfoton)
frustrana, *Rhyacionia*
frustranae, *Campoplex*
Fuchsia, *Aphis oenotherae* on, development of 3723
fuscosa, *Agrotis*
fuscosa, *Amphipoea*
 L-Fucose (see L-Galactose, 6-deoxy-)
 Fucosidase, α -L-, in *Locusta migratoria* gut 739
 Fucosidase, β -L-, in *Locusta migratoria* gut 739
fugax, *Bessa*
fugax, *Pegohylemyia*, (*Hylemya*)
fugitivus, *Hyposoter*
Fulgoridae
 excreta in 4678
 ionic balance in 4678
Fulgoroidea
Hymenostilbe sulphurea in, in Ghana 7495
 in Sri Lanka 4209
Fulica atra, eggs of, organochlorine residues in 1047
fuliginus, *Oplostomus*
fuliginosa, *Forcipomyia*
fuliginosa, *Periplaneta*
fuliginosus, *Dahlbominus*
fuliginosus, *Lasius*
fulleri, *Ellingsenius*
Fulleritermes
 in southern Africa 1313
 taxonomy of 1920
Fulleritermes contractus, taxonomy of 1920
fullonia, *Othreis*
fullonica, *Ophideres* (see *Othreis fullonia*)
fulva, *Rhagonycha*
fulviabdominalis, *Anoecia*
fulvicornis, *Lamyctes*
fulvicornis, *Leptoglossus*
fulvoniger, *Dysdercus*
fulvus, *Cryphalus*
fulvus, *Ernobius*
fulvus, *Taenioglyptes*
 Fumaric acid (see 2-Butenoic acid, (E)-)
fumida, *Rodolia*
fumiferana, *Choristoneura*
fumiferanae, *Apanteles*
fumiferanae, *Glypta*
Fumigants
 in freight containers, losses of 6278
 in insects, metabolism of 3270
 in mammals, metabolism of 3270
 in stored grain, effects of temperature and air pressure on 5059
 in stored products, residues of 6272–6273
 use of, precautions in 5176
Fumigation, EPPO standards for 6926
fumipennis, *Elasmus*
Fundal Forte (see Chlordimeform, with formetanate)
Fundulus heteroclitus, toxaphene in, residues of 3921
funebrana, *Cydia*, (*Grapholitha*)
funebria, *Chorinaeus*
funebria, *Drosophila*
 Funemone (see 8-Dodecen-1-ol, acetate, (Z)-)
funeralis, *Artona*
funeralis, *Desmia*
funestus, *Orthocephalus*
Fungi
 DDT in, metabolism of 2645
 Drosophilidae on, in Mascarene Islands 7131
 EPPO quarantine lists for 3875
 in
 Agevillea abietis, in West Germany 4389
 Choristoneura fumiferana, and biological control using, in North America 6836
 Contarinia tritici, in West Germany 1276
 Euproctis similis, in Yugoslavia 5739
 insects
 in Israel 7496
 in Puerto Rico 3137
 Melanoplus sanguinipes 5085
 Nephotettix cincticeps, in Taiwan 4862
 Noctuidae, biological control with, in USSR 3855
 Numicia viridis, in southern Africa 5959

- Fungi** *contd.*
in *contd.*
Quadraspidiotus perniciosus, biological control with, in USSR 5552
soil, effects of aldicarb on 7664
stored products, damage caused by 7625
Tipulidae, in UK 7589
pest control using 5087
soil fungi in, pathogenicity of 227
- Fungi imperfecti**
in
mill insects, in Yugoslavia 4485
timber, effects on termites of 7210
insecticidal activity of extracts of 4549
- Fungicides**
compatibility with other pesticides of 6945
in *Phytoseiulus persimilis*, toxicity of 3655
research on 6950
side-effects of 1604
- fungifera, Nevskyella**
- Funguran**, in *Trichogramma cacoeciae*, effects of 3910
- Furadan** (see Carbofuran)
- Furan**, 3-(4,8-dimethyl-3,7-nonadienyl)-, (*E*)-, in *Aphis fabae*, increasing proportion of apterae 4621
- 3-Furancarboxylic acid**, 5-(hydroxyphenylmethyl)-, in rat, resmethrin metabolite 1695
- 3-Furancarboxylic acid**, 5-[(4-hydroxyphenyl)methyl]-, in rat, resmethrin metabolite 1695
- 3-Furancarboxylic acid**, 5-(phenylmethyl)-, in rat, resmethrin metabolite 1695
- 3-Furanmethanol**, 5-(hydroxyphenylmethyl)-, in rat, resmethrin metabolite 1695
- 3-Furanmethanol**, 5-(phenylmethyl)-, in rat, resmethrin metabolite 1695
- 2(3H)-Furanone**, 5-acetyl-4,5-dihydro-5-[(4-propyl-1,3-benzodioxol-5-yl)methyl]-, sterilant for, *Heliothis virescens* 3262
- 2(3H)-Furanone**, 5-ethyldihydro-, *Trogoderma glabrum* sex-pheromone component 4642
- furcellata, Cantheconidea** (*Eocanthecona*)
- furcifera, Sogatella**
- furcula, Aelia**
- furnacalis, Ostrinia**
- Furniture**
Dinoderus ocellaris in, in Punjab 6321
Lyctus africanus in, in Punjab 6321
Polycaon stouti in, in California 2176
Sinoxylon anale in, in Punjab 6321
- furvus, Pediobius**
- Furyltriazine** (see 1,3,5-Triazine-2,4-diamine, 6-(2-furanyl)-)
- Fusariotoxin**, against, *Tetranychus urticae* 4185
- Fusarium**
in, *Drosophila melanogaster*, pathogenicity of 227
insecticidal activity of 227
- Fusarium aleyrodis**
in
Chilo partellus
and biological control using 6881
pathogenicity of 6881
- Fusarium aqueductum**, in, timber, effects on termites of 7210
- Fusarium equiseti**
in
Melanagromyza hibisci, in Karnataka 6893
Tenebrio molitor, pathogenicity of 4159
- Fusarium moniliformis**, insect growth promoting factor from foodgrains infected with 4436
- Fusarium nivale**
in
scale insects, in Japan 2238
Tenebrio molitor, pathogenicity of 4159
- Fusarium roseum**, in, *Tenebrio molitor*, pathogenicity of 4159
- Fusarium solani**, in, *Tillandsia usneoides*, in Georgia (USA) 3025
- fusca, Busseola**
- fusca, Formica**
- fusca, Sibine**
- fusca, Smiela**
- fuscedinella, Coleophora** (see *C. serratella*)
- fuscolis, Ageniaspis** (*Encyrtus*)
- fusicornis, Paraponderus**
- fusicornis, Pemphigus**
- fuscipennis, Ceraecercus**
- fuscipennis, Dahlbominus** (see *D. fuliginosus*)
- fuscipennis, Microterys**
- fuscipes, Calathus**
- fuscipes, Rhynocoris**
- fusciventris, Anagyrus**
- fuscomaculatus, Oxycanus**
- fuscus, Gnaphothrips**
- GA-4282** (see Benzene, 1,3-dichloro-2-[(2-propynyloxy)methyl]-)
- Gabon, Coccoidea** in, on *Citrus* 5100
- gabonator, Phosphorus virescens**
- Gaillardia**
Haplothrips gowdeyi on, in Himachal Pradesh 4715
Telephila spp. on, development of 1326
Thrips flavus on, in Himachal Pradesh 4715
- gairi, Pemphigus**
- galactinus, Xylocoris**
- Galactites, Terellia serratulae** on 1323

- Galactitol**, in sugar-cane, effects on
Melanaphis indosacchari reproduction of 2380
- α -D-Galactopyranose, 1-thio-**, in *Galleria mellonella*, effects of 4034
- α -L-Galactopyranoside, methyl 6-deoxy-**, in *Spodoptera littoralis* diet, ingestion and excretion of 4650
- L-Galactose, 6-deoxy-**, in *Spodoptera littoralis* diet, ingestion and excretion of 4650
- Galactosidase, α -**
 in Acridid guts 5866
 in *Chilo partellus* gut, not found 581
 in *Locusta migratoria* gut 739
 in phytophagous Hemiptera 2396
 in *Zonocerus variegatus* gut 1120
- Galactosidase, β -**
 in Acridid guts 5866
 in *Chilo partellus* gut, not found 581
 in *Locusta migratoria*, properties of 1864
 in *Locusta migratoria* gut 739, 3524
 in *Pectinophora gossypiella* gut 579
 in *Phthorimaea operculella* gut 4649
 in phytophagous Hemiptera 2396
 in *Zonocerus variegatus* gut 1120
- Galapagos Islands**, Lepidoptera in 4139
- galeator*, *Acanthocerus***
Galeatus scrophicus
 biology of 1482
 in India 1482
 on sunflower
 damage caused by 1482
 in Haryana 1482
- Galecron** (see Chlordimeform)
- Galendromus longipilus*** (see *Typhlodromus*)
Galendromus pomi (see *Typhlodromus*)
Galendromus ruralis (see *Typhlodromus*)
- Galerucella grisescens***
 in Japan 586
 on *Fragaria chiloensis*, in Japan 586
 on *Rumex obtusifolius*, in Japan 586
- Galerucella vittaticollis*** (see *G. grisescens*)
- Galinoga quadriradiata***, turnip mosaic virus
 in, aphid transmission of 5725
- galiobii*, *Trioxys***
Galiobium langei
 in Czechoslovakia 777
 on *Galium*, in Czechoslovakia 777
 parasitised by, *Trioxys galiobii*, in Czechoslovakia 777
- Galium***
 aphids on, in Europe 777
Galiobium langei in, in Czechoslovakia 777
- Gall midge** (see Cecidomyiidae)
- gallaeciana*, *Lema*, (*Oulema*)**
- Galleria***, juvenile hormones in, bioassay for 1858, 4759
- Galleria mellonella***
Bacillus thuringiensis in, teratogenicity of 4484
- Galleria mellonella* contd.**
 bacteria in, pathogenicity of 1589
Beauveria bassiana in, infectivity of 207
Bracon gelechiæ venom in, effects of 1114
 cellular defense reactions in 4033
Chilo iridescent virus in
 effects of 3829
 replication of 3826
Conidiobolus coronatus in 1593
 cultivation of 1856
 control of
Bacillus thuringiensis for 969, 6336
 growth regulators for 3876, 5298, 6937
 insecticides for 517, 2260
 corpora allata in, neurohumoral activities of 3418
 corpora cardiaca in 3418
 cuticle in, secretion of 28
 development in 3418
 digestive enzymes in, detoxification of
Bacillus thuringiensis exotoxin by 1595
 enzymes in 2201, 2395
Escherichia coli in, phagocytosis of 942
 farnesane derivatives in, growth-regulator activity of 6939
 fat-body in 2395
 filipin not absorbed from diet in 34
 foreign bodies in, encapsulation of 5447
 growth regulators in, effects of 5301
 gut microflora in 7066–7067
 haemolymph in, effects of ecdysone on ions in 1751
 hemolymph of, bacterial growth in 2219
 in South Africa 5954
 in beehives 969, 2260
 integument in, development of 28
 larval development in 5252
 lipids in 2393
 male genitalia in, morphogenesis of 3410
 morphogenesis in, hormonal control of 590
Neoplectana carpocapsæ in 1589
 propagation of 4487
Nosema plodiae in, effects on enzymes of 2201
 nuclear polyhedrosis virus in
 development of infection with 3126
 effects of 3829
 effects of UV-irradiation on 4477
 infectivity of 6334
 pathogenicity of 3849
 properties of 3810–3811
 ovarioles in, effects of diet on 3414
 paraoxon in, effects of 2395
 parasitised by
Bracon gelechiæ 1114
Coccygomimus turionellæ 5196
 defence mechanisms against 5447
Epialtes roborator 6478

Galleria mellonella *contd.*parasitised by *contd.**Lixophaga diatraeae* 242, 251*Phryxe caudata* 20, 1235, 2706*Plagiprospherysa trinitatis* 1304*Pseudoperichaeta laevis* 4801*Tetrastichus israeli* 249*Trichogramma* spp. 251*T. pretiosum* 3508*Trichospilus diatraeae* 249*Parvovirus* spp. in, pathogenicity of,
effects of wounding on 6347

pathogens of 969

pest of honeybee, in South Africa 5954

Pleistophora schubergi in, effects on
enzymes of 2201

preyed on by

Cantheconidea furcellata 4227*Euthyrhynchus floridanus* 4222*Formica polyctena* 1266*Geocoris punctipes* 2939*Podisus maculiventris* 4721*Stiretrus anchorago* 2474

proteins in 2393

Pseudomonas aeruginosa in

pathogenicity of 7476

resistance to, effects of cobra venom
factor on 6897

rearing of

diets for 3508, 4801

techniques for 251

RNA virus in, effects of 3134

Serratia marcescens in, pathogenicity of
7488sterilisation of, γ -irradiation for 3255*Streptococcus faecalis* in, role in defence
against bacteria of 4475sugars in, effects of thio analogues on
4034

wax digestion in 7066-7067

gallicus, Polistes**gallii, Hyles, (Celerio)****galloprovincialis, Monochamus****Gallus domesticus** (see Fowl)**Gamakarbatox** (see BHC (γ -isomer), with
carbaryl)**Gamasoidea**, parasitising, *Apis mellifera*
180**Gambia, Caryedon serratus** in, in stored
groundnuts 6282**Gambusia affinis**, mirex in, residues of
1041**gamma, Autographa**

(Plusia)

Gamma-Mipcin (see BHC (γ -isomer), with
isoprocarb)**Gamonil** (see Carbaryl)**ganga, Parnara****Gangara thyrasis**

in India 2667

on *Chamaerops fortunei*, in Tamil Nadu
2667**Gangara thyrasis** *contd.*

on coconut, in India 2667

on *Coreodoxa regia*, in Tamil Nadu
2667on *Kentia artharia*, in Tamil Nadu 2667**gangelbaueri, Haplothrips****Ganoderma**

in

oil palm

in Indonesia 6711

in Malaysia 6711

Garden rocket (see *Eruca sativa*)**gardenensis, Mycopsylla****Gardenia, Metriona bicolor** on, in USA
7142**Gardenia jasminoides***Cephonodes hylas* on, rearing of 81
extracts of

repellent for

Rhyzopertha dominica 1552*Tribolium castaneum* 1552*Trogoderma granarium* 1552**Gardens***Helix aspersa* in, in California 4784

insecticide use in, in Canada 6914

pest control in 2591

in UK 7525

pests of, in UK 3728

Gardona (see Tetrachlorvinphos)**Gargaphia**

control of, insecticides for 3615

on oil palm

damage caused by 3615

in Colombia 3615

Gargaphia nigrinervis

descriptions of 1244

in Peru 1244

on cotton, in Peru 1244

Gargaphia sanchezi

biology of 4940

control of, insecticides for 4940

in Colombia 4940

on *Phaseolus vulgaris*

damage caused by 4940

in Colombia 4940

preyed on by, Coccinellidae, in Colombia
4940**Garlic (Allium sativum)**

insecticidal activity of 513

Phytobia cepae on, in Taiwan 379*Thrips tabaci* on

in Chile 4329

in Queensland 381

Garlic oil

fungicidal activity of 518

insecticidal activity of 518

Garlic (stored bulbs)*Carpophilus dimidiatus* in, in USA 1846*C. obsoletus* in, in Egypt 3780*Cryptoblabes gnidiella* in, in Egypt 3780*Cryptolestes spartii* in, in Egypt 3780

Garlic (stored bulbs) contd.

- Ephestia cautella* in
damage caused by 3093
in Himachal Pradesh 3093
Lasioderma serricorne in, in Egypt 3780

garuda, *Paracentrobia****Gascardia brevicauda***

- control of, biological 4990
in Kenya 4990
on coffee, in Kenya 4990

Gascardia destructor

- control of, insecticides for 333, 2895,
3940
in Australia 333, 2895, 5917
in Kenya 3991
in South Africa 4327
in USA 3940
life history of 2895
on *Baccharis halimifolia*, in Queensland
2895
on *Citrus*
in Queensland 2895
in USA 3940
on coffee, in Kenya 3991
on orange, in South Africa 4327
parasites of
effects of insecticides on 4327
in South Africa 4327
parasitised by
Microterys australicus
in New South Wales 5917
in Queensland 5917
M. ceroplastae, in Kenya 3991
M. flavus, in New South Wales 5917

Gasteracantha cancriformis

- in USA 4186
in citrus groves, in Florida 4186
preying on

- Aleyrodidae*, in Florida 4186
Drosophila spp., in Florida 4186

Gastoxin (see Phosphine [from aluminum phosphide])***Gastrallus indicus***

- biology of 5068
control of, fumigants for 5068
descriptions of 5068
in India 5068
in books
damage caused by 5068
in India 5068

Gastrimargus musicus

- in Australia 4822
on sugar-cane, in Queensland 4822

Gastrophysa atrocyanea

- biology of 2753
feeding range of 2753
food preferences of 2753
in Japan 2753
on *Rumex obtusifolius*
and biological control using 2753
in Japan 2753

gaucha, Drosophila***gayi, Cnemalobus***

- gazeaui, Forcipectricis*
gbanjaensis, Sophrorhinus
Gebutox (see Dinoseb-ammonium)
gedeanus, Poecilips

Geiger tree (see *Cordia sebestena*)**Gel diffusion tests**

- for detecting nuclear polyhedrosis virus in
Heliothis zea 4476
for detecting prey antigens in predators
5385
for distinguishing Pseudococcids 6445

Gelatins

- as sunlight protectant for *Spodoptera*
litura nuclear polyhedrosis virus 2245
for embedding soil samples to examine
fauna 2605

Gelatone (see Peptones)**Gelcarin (see Carrageenan)*****gelechiae, Bracon, (Microbracon)*****Gelechiidae**

- in Peru 677
parasitised by, *Venturia canescens* 6622

gelechiidivoris, Apanteles***Gelis***

- biology of 652
hyperparasitising
Hypera postica
in Indiana 652
in Wisconsin 7197
parasitising
Bathyplectes curculionis
in Indiana 652
in Wisconsin 7197

Gelis areator

- hyperparasitising, *Lymantria dispar*, in
Ukraine 6002
in USSR 6002
parasitising, *Meteorus pulchricornis*, in
Ukraine 6002

Gelis cinctus

- descriptions of 6623
hosts of 6623
in Italy 6623
parasitising, *Ostrinia nubilalis*, in Italy
6623

gemellata, Colaspis***gemellatus, Lygus******geminata, Solenopsis******geminata, Stelidota******geminatus, Trinervitermes******gemmaecola, Bracon******gemmatalis, Anticarsia******gemmeata, Petrova*****Genetic control**

- of arthropods 5124
Anthomyiidae 5113
Ceratitis capitata 5113
Delia spp. 5113
Dysaphis plantaginea 7043
pests of stored products 6240
Rhagoletis cerasi 5113, 7556

Genetic control *contd.*of arthropods *contd.*

Tetranychidae 986

Tetranychus urticae 2457, 5744, 6378

on rose 4075

Tribolium castaneum 6255*Trichoplusia ni* 1783

conditional mutations for 3242

geniculata, *Pristiphora***Genip** (see *Melicocca bijuga*)**gennadii, *Asphondylia*, (*Eumarchalia*)****gentianae, *Aphis*****gentilis, *Melanophila******Genuchus hottentottus***

biology of 5938

in South Africa 5938

on protea

damage caused by 5938

in South Africa 5938

Geocoridae

in soy-bean fields

in Georgia (USA) 4949

in South Carolina 2934-2935, 4949

sampling of 2935

Geocoris

development in, effects of insecticides on 366

fecundity in, effects of insecticides on 366

in cotton fields

effects of insecticides on 3712

in California 3712

in sorghum fields, in Texas 7276

in soy-bean fields, in South Carolina 365

preying on

Acyrtosiphon pisum, in California 5528*Therioaphis trifolii*, in California 5528

seasonal abundance of 365

Geocoris atricolor

in USA 4291

in lucerne fields, in California 4291

Geocoris jucundus

in India 3558

preying on

Aphis gossypii, in Rajasthan 3558*Therioaphis trifolii*, in Rajasthan 3558***Geocoris pallens***

in USA 889, 4291

in cotton fields, in California 889

in lucerne fields, in California 4291

Geocoris punctipes

in USA 2939, 4949

in soy-bean fields

effects of insecticides on 4949

in Georgia (USA) 4949

in South Carolina 2939, 4949

predatory behaviour in 2534

preying on

Epilachna varivestis 2939*Galleria mellonella* 2939*Pseudoplusia includens* 2534***Geocoris tricolor***

in India 1278

preying on, *Phthorimaea operculella*, in Karnataka 1278***geometralis, Nausinoe, (Lepyrodes)*****Geometridae**

in France 2616

in Sardinia 1201

on forest trees, in USSR 3738

parasitised by, *Conomorium patulum*, in USSR 6221

traps for 1201, 2616

Geophilus*, in UK 4749*Georgia***Acrosternum hilare* in, natural enemies of 7187*Agallia constricta* in, on maize 5503*Anthonomus grandis* in, on cotton 2989*Anticarsia gemmatilis* in, on soy bean 2934

aphids in, on maize 5503

Aphis craccivora in, on groundnut 3119*Aspidiotus nerii* in, natural enemies of 4219*Capritrrips insularis* in, on grasses 2341*Clavaspis crypta* in, on pecan 318*Conoderus falli* in, on maize 7241*Cotinis nitida* in, in pastures 5523*Curculio caryae* in, on pecan 7297*C. sayi* in, on *Castanea mollissima* 4896*Cydia* spp. in, on *Pinus* 5686*C. caryana* in, on pecan 7302*C. molesta* in 6924

on peach 849

C. prunivora in 849, 6924*Dendroctonus frontalis* in, on *Pinus* 3759*Dioryctria* spp. in, on *Pinus* 2150, 5686*Dryocosmus kuriphilus* in, on *Castanea* 2860, 5549*Eotetranychus hicoriae* in

natural enemies of 2008

on pecan 2008

Eriophyes theospyri in, on *Diospyros virginiana* 6742*Eucosma cocana* in, on *Pinus* 5686*Euschistus servus* in, natural enemies of 7187

fish in, pesticide residues in 7670

Flexamia satilla in, on grasses 1101*Geocoris punctipes* in, in soy-bean fields 4949*Graminella nigrifrons* in, on maize 5503*Gretchena bolliana* in 6924

on pecan 3396

Heliothis spp. in, on cotton 2989*H. virescens* in, on *Dolichos lablab* 359*H. zea* in 2923on *Dolichos lablab* 359

on maize 4260

Hylobius pales in 1508on *Pinus* 5659

Georgia contd.

- Ips* spp. in, natural enemies of 1273
Mayetiola destructor in, on wheat 6045
Myzus persicae in, on groundnut 3119
Neptyia semiclusaria in, on *Pinus* 5686
Nezara viridula in, natural enemies of 7187
Ostrinia nubilalis in, on maize 3591, 4260, 4265
Pachylobius picivorus in 1508
 on *Pinus* 5659
Plathypena scabra in 2923
 on soy bean 2934
Popillia japonica in
 in pastures 5523
 on ornamental plants 5523
Prionus imbricornis in, on pecan 7294
Pseudaulacaspis pentagona in, on peach 2023
Pseudoplusia includens in, on soy bean 3670
Rhyacionia frustrana in, on *Pinus* 2149, 3040, 4413
R. rigidana in, on *Pinus* 2149
 scale insects in, on *Tillandsia usneoides* 3025
Solenopsis invicta in 6980
S. richteri in 6980
Spodoptera frugiperda in, on maize 4260
Thyridopteryx ephemeraeformis in 963
 natural enemies of 2735
Tribolium castaneum in, in CSM 1548
T. confusum in 4683
 wildlife in, mirex residues in 6980

georgica, Osmia**Geotrichum**

in

- Thyridopteryx ephemeraeformis*
 in Georgia (USA) 2735
 pathogenicity of 963

Geraniaceae

- Chabuata major* on 1798
Pemphigus spp. on, in Ukraine 5341
Geranic acid (see 2,6-Octadienoic acid, 3,7-dimethyl-)
Geraniol (see 2,6-Octadien-1-ol, 3,7-dimethyl-, (E)-)

Geranium

- Pinnaspis aspidistrae* on, in Colombia 5532
Thrips tabaci on, in Bulgaria 3027
Geranium carolinianum, *Heliothis* spp. on, in South Carolina 3512
Gerbera jamesonii
Myzus persicae on, in Poland 1501
 pesticides in, toxicity of 1501
Tetranychus urticae on, in Poland 1501

gerini, Helopeltis**German Democratic Republic**

- Acyrtosiphon pisum* in, on *Trifolium* 2359

German Democratic Republic contd.

- Adelphocoris lineolatus* in, on lucerne 307
 agricultural pests in 7160
Agrotis exclamatoris in 375
A. segetum in 375
Amaurosoma armillatum in, on *Phleum pratense* 297
A. flavipes in, on *Phleum pratense* 297
Anarsia lineatella in, on peach 2888
 aphids in
 on potato 7375–7376
 on *Vicia faba* 5602
 viruses in 2673
Aphis spp. in, on potato 2958
A. fabae in
 on beet 5610–5611
 on sugar-beet 4524, 5610, 5620
 on *Vicia faba* 4936
A. gossypii in, on cucumber 5620
A. oenotherae in, on *Oenothera* 3723
Aphthona euphorbiae in, on flax 5637
Apion apricans in, on *Trifolium* 4298
A. trifolii in, on *Trifolium* 4298
A. virens in, on *Trifolium* 4298
 apple in
 diseases of 1419
 pests of 1419
Atomaria linearis in, on sugar-beet 4524
Cecidophyopsis ribis in, on currant 1398
Ceutorhynchus spp. in, on rape 4523
C. assimilis in
 on *Brassica* 352
 on rape 2040, 5594
Cinara spp. in, natural enemies of 1307
Cnephasia longana in
 on grain crops 4834
 on *Lupinus luteus* 4834
 Coleophoridae in 4
 Collembola in, in soil 2603
 crop protection in 4488
Cydia nigricana in, on pea 362, 1050, 5605–5606
Dasineura brassicae in, on rape 2040, 4523, 5594
 DDT use in 2295
 Diptera collection in 6996
Enarmonia formosana in, on fruit trees 2866
Euproctis chrysorrhoea in, on trees 731
Gypsonoma aceriana in, on *Populus* 5696
G. oppressana in, on *Populus* 5696
G. sociana in, on *Populus* 5696
Helophorus nubilus in, on wheat 7238
 honey bees in 2308
Hylemya coarctata in
 on potato 1000
 on sugar-beet 1000
 on wheat 275, 5490
Leptinotarsa decemlineata in, on potato 1050, 5620–5621

German Democratic Republic contd.

- Longitarsus parvulus* in, on flax 5637
Lygus spp. in, on lucerne 307
Macrosiphum avenae in, on wheat 4252, 5496
M. euphorbiae in, on *Trifolium* 2359
Meligethes aeneus in, on rape 4523
mites in
 in soil 2603
 on apple 2013
Myzus persicae in
 on beet 5610–5611
 on potato 2958
 on sugar-beet 5610, 5620
 on tobacco 5620
Oscinella frit in
 on grasses 2790
 on maize 2790
Paralipsa gularis in, in stored cacao 2174
Pegomya betae in, on sugar-beet 4346, 4524
pest control in 4520
Phalera bucephala in
 on cherry 6734
 on hazel 6734
Physokermes spp. in
 natural enemies of 1906
 on *Picea* 1906
Psylliodes chrysocephalus in, on rape 4523
Pyrilidae in 7128
Reesa vespulae in, in stored seeds 5717
Rhopalosiphum padi in, on wheat 5496
Rhyzopertha dominica in, in stored grain 4444
Schizolachnus pineti in, natural enemies of 1307
Sitophilus granarius in, in stored wheat 6309
S. oryzae in, in stored wheat 6309
stored grain in, pests of 2170–2172
Tetranychus urticae in
 on apple 3166
 on cucumber 4935, 5805
Tribolium confusum in, in stored wheat 6309
Trogoderma granarium in, in stored wheat 6309
wheat in, pests of 4522
- German Federal Republic**
Acyrtosiphon dirhodum in, on grain crops 5487
Adelges abietis in, on *Picea* 1527
Agelastica alni in, on *Alnus* 1516
Agevillea abietis in
 natural enemies of 4389
 on *Abies* 4389
Anthrenus flavipes in, in imported feedstuffs 5699
aphids in, on apple 6111
apple in, pest control on 7533

German Federal Republic contd.

- Attagenus fasciatus* in, in imported feedstuffs 5699
Blaps mucronata in
 in stored grain 443
 in stored vegetables 443
Bupalus piniarius in, on conifers 5014
Carabidae in 6007
 in grain fields 6040
Ceresa bubalus in
 on lucerne 1822
 on *Solidago* 1822
Collembola in, in sugar-beet fields 2949
Contarinia tritici in
 natural enemies of 1198, 1276
 on wheat 822, 3581
crop protection in 4488
Cydia pactolana in, on *Picea* 5663
C. pomonella in, on apple 6111–6112
Dasineura brassicae in, natural enemies of 1198
Dermestes maculatus in, in imported balsa wood 1531
Diprion pini in, on conifers 5014
Diptera in, on grain crops 1611
Drosophila melanogaster in
 in orchards 1645
 in vineyards 1645
dwellings in, insect pests in 5698
Dysaphis plantaginea in, on apple 6111
earwigs imported into 2674
Ectropis bistorta in, natural enemies of 5738
Ennomos quercinaria in, on *Fagus* 117
Epichoristodes acerbella in, quarantine against 6810
Eriophyes malinus in, on apple 6111
E. similis in, on plum 6737
Fenusa pusilla in, natural enemies of 1883
forest pests in 5294, 5684
Formica polyctena in 757–759, 1268, 3771–3772
Gibbium psyllioides in, in imported feedstuffs 5699
grain crops in, pests of 2770
Harpalus rufipes in, on strawberry 5541
Hoplocampoides xylostei in
 natural enemies of 1925
 on *Lonicera xylosteum* 1925
Hylemya platura in, on asparagus 2910–2911
Hylobius abietis in 3071
Hypera postica in 6517
Ips amitinus in 5685
I. typographus in 5685
Labia minor in 2674
Luperus pinicola in, on *Pinus* 4420
Lymantria dispar in 3136, 7413
 on *Quercus* 3070
L. monacha in 3136, 7413
 on conifers 5014

German Federal Republic contd.

- Lymantria monacha* in contd.
on *Pinus* 2266, 3070
- Macrosiphum avenae* in
on grain crops 5487
on wheat 2781
- Malachius* spp. in, in dwellings 1249
- Megastigmus* spp. in 3055
- M. bipunctatus* in, on *Juniperus* 2133
- M. spermotrophus* in, on *Pseudotsuga* 2133
- Meligethes aeneus* in, natural enemies of 1198
- Melolontha hippocastani* in 6591
- M. melolontha* in 6591
in grassland 1759
- Microdiprion pallipes* in
natural enemies of 930
on *Pinus* 928–930
- Myzus humuli* in 3206
on hop 1630
- M. persicae* in 3206
- Neodiprion sertifer* in 3136
- Niptus hololeucus* in
in grain debris 5763
in toothpaste 5763
- Onychiurus* spp. in, on sugar-beet 2949
- Operophtera brumata* in, on apple 6111
- orchard pests in 1634
- Orgyia antiqua* in
natural enemies of 912, 3030
on *Picea* 912, 3030, 5663
- Oscinella frit* in, on maize 3583
- Panolis flammea* in, on conifers 5014
- Panonychus ulmi* in, on apple 1609
- Pemphigus bursarius* in 347
- P. spirothecae* in 347
- Phaenops cyanea* in, on *Pinus* 5007
- pine forests in, pests and parasites in 3762
- plant protection in 1600, 6993
- Plodia interpunctella* in, in confectionery 6872
- Pristiphora abietina* in, on *Picea* 5657
- P. thalenhursti* in 1718
- Quadraspidiotus perniciosus* in 6086
- Rhagoletis cerasi* in, on cherry 4320
- Rhopalosiphum padi* in
on grain crops 5487
on wheat 2781
- Rhyacionia buoliana* in
natural enemies of 202
on *Pinus* 1633
- Siricidae in 2151
- Sitodiplosis mosellana* in
natural enemies of 1198
on wheat 822, 3581
- sterile-insect release in 5126
- sugar-beet in, pest control on 1605
- Synanthedon myopaeformis* in, on apple 2874
- Tetranychus urticae* in 4606

German Federal Republic contd.

- Tetranychus urticae* in contd.
on hop 1630
on *Phaseolus* 1609
- Tortricidae in, in orchards 3208
- Tribolium castaneum* in 2353
- T. confusum* in 2353
- Trogoderma angustum* in, in herbal drugs 3108
- Trypodendron* spp. in, natural enemies of 3543
- T. domesticum* in 1143, 2318
- T. lineatum* in 2318
on *Picea* 3061–3062
- Xyleborus* spp. in, natural enemies of 3543
- X. saxeseni* in 6816
- germanica*, *Blattella*
- germanica*, *Vespula*
(*Paravespula*)
(*Vespa*)
- germari*, *Aelia*
- germari*, *Apriona*
- germari*, *Brachynema*
- germinationis*, *Opomyza*
- Geron exemptus*
sp. n., description of 1089
in Kenya 1089
parasitising, *Spodoptera exempta*, in Kenya 1089
- Geroninae**, taxonomy of 1089
- gerstaeckeri*, *Dorylus*
- gerula*, *Pristiphora*
- Gestronella centrolineata*
biology of 1389
control of, insecticides for 1389
in Malagasy Republic 1389
on coconut, in Malagasy Republic 1389
parasitised by, *Tetrastichus brontispae*,
and biological control using, in Malagasy Republic 1389
- Gestronella lugubris*
biology of 1389
in Malagasy Republic 1389
on coconut, in Malagasy Republic 1389
- Ghana**
- ants in
in cacao plantations 7401–7403
on cacao 1490
- Apion anthonomoides* in, on *Triplochiton scleroxylon* 1090
- A. ghanaense* in, on *Triplochiton scleroxylon* 1090
- Auletobius kuntzeni* in, on *Terminalia ivorensis* 1090
- cacao black pod disease in 400
- cacao in, pests of 2104
- Ceratopogonidae in, on cacao 402
- Distantiella theobroma* in, on cacao 6197
- Dorylus* spp. in, in cacao plantations 3014
- entomogenous fungi in 7495

Ghana *contd.*

- Forcipomyia fuliginosa* in 5463
 Miridae in, on cacao 1490
Oecophylla longinoda in, on cacao 3014
Parallelodiplosis spp. in, on cacao 1489
Parapoderus fuscicornis in, on *Terminalia ivorensis* 1090
 Reduviidae in, on cacao plantations 1734
Sahlbergella singularis in, on cacao 6197
 termites in 1919
Vigna unguiculata in, pest control on 2257
Youngia spinosa in 559
- ghanaense, Apion**
 Gherkin (see Cucumber and gherkin)
ghesquierei, Antestiopsis orbitalis
 Ghont (see *Ziziphus xylopyra*)
gibbicarina, Leptopharsa
Gibbium psylloides, in feedstuffs, imported into West Germany 5699
gibbosa, Silba, (Lonchaea)
gibbosella, Psoricoptera
gibbosus, Bothynus
gideon, Xylotrupes
giffardii, Dirhinus
giffardii, Tetrastichus
gifuensis, Aphidius
giganteus, Mepachymerus
gigas, Urocerus
Gilpinia abieticola
 in Czechoslovakia 1528
 on *Picea*, in Czechoslovakia 1528
- Gilpinia hercyniae***
 digestive enzymes in 3074, 5275
 enzymes in 1509
 fecundity in, effects of food-plant on 7123
 in UK 487
 larval development in, effects of food-plant on 7123
 nuclear polyhedrosis virus in, in Wales 487
 nutrition of 5275
 on *Picea* 1509
 in Wales 487
 on *Picea abies*
 development of 4407
 feeding by 5275
 oviposition by 5340
 oviposition in 5340
- Gilpinia pallida***
 control of, insecticides for 2296
 in Austria 2296, 5008
 on *Pinus*, in Austria 2296
 on *Pinus sylvestris*, in Austria 5008
 oviposition in 5008
- Gilpinia polytoma***
 on *Picea mariana* 910
Thelohanina pristiphorae in, infectivity of 910
- gilvifrons, Stethorus***
Ginger (Zingiber officinale)
Udaspes folus on, in Kerala 6030
Ginger (spice), *Lasioderma serricorne* in, development of 4096
girardi, Uroplata
Gitona perspicax (see *Gitonides*)
Gitonides perspicax
 in Sri Lanka 817
 preying on, *Saccharicoccus sacchari*, in Sri Lanka 817
glabra, Thaumatomyia
glabrum, Trogoderma
gladiaria, Agrotis
gladioli, Taeniothrips (see *T. simplex*)
Gladiolus
 cucumber mosaic virus in, in Connecticut 4995
 insecticides in, effects of 4995
Rhizoglyphus engelii on, damage caused by 5411
Spodoptera litura on, in Karnataka 5429
Taeniothrips simplex on 7408
 in Bulgaria 3027
glandium, Callirhytis
glandium, Curculio, (Balaninus)
glandulosa, Pseudotargionia, (Aonidia)
Glass, in *Galleria mellonella*, encapsulation of 5447
Glasshouse crops
 pest control on 3964
 integrated 4514
 Symphyla on, in UK 4194
Udea ferrugalis on, in Bulgaria 5591
- Glasshouses**
 aphid population growth in 7041
 aphids in, in Poland 7138
 biological control in, in UK 6908
 pest control in 989
 in UK 4181, 7503
 soil sterilants for 5749
- Glassine (see Paper)**
glauca, Gossypina
glauca, Pristiphora
glauca, Cilix
glaucus, Pantomorus
Glebofos (see Disulfoton)
Gleditsia triacanthos, Homadaula
anisocentra on, in Mississippi 6806
Glenospora graphii, in, timber, effects on termites of 7210
GlIOCladium catenulatum, aldicarb in, metabolism of 6420
Glischrochilus, in stored maize, in USA 1846
Glischrochilus quadripunctatus
 in USSR 6627
 preying on, bark beetles, in USSR 6627
globosus, Panonychus
globosus, Rhynacus
Globulins, blood, γ -, in *Acheta domesticus*
 hemolymph 3424

Globulins, immune

- in *Acheta domesticus* hemolymph 3424
to grapevine Pierce's disease bacterium 2856

glomerata, Melanaspis, (Aspidiotus)**glomeratus, Apanteles****gloriola, Eucosma****gloriosae, Attagenus** (see *A. fasciatus*)**gloriosae, Polytelea****Glossina**, control of, insecticides for 5961**gloveri, Hyalophora****gloverii, Insulaspis**

(Lepidosaphes)

Gloxinia, Parthenothrips dracaenae on, in Bulgaria 3027**Glucagon** 2441**Glucanase, 1,3- α -**, in *Locusta migratoria* gut, not found 739**D-Glucitol**, in *Eurosta solidaginis*, seasonal changes in 7110**D-Gluconic acid, 6-(dihydrogen phosphate)**, in *Pieris rapae*, affinity of alkaline phosphatase for 6511 **α -D-Glucopyranose, 1-thio-**, in *Galleria mellonella*, effects of 4034 **α -D-Glucopyranoside, β -D-fructofuranosyl** (saccharose; sucrose)*Acyrtosiphon pisum* feeding responses to 3405*Amrasca devastans* feeding response to 1808

as sunlight protectant for virus formulations 3135

bait-spray component for, *Pectinophora gossypiella* 3209*Chortoicetes terminifera* feeding responses to 1863, 2685, 5419*Costelytra zealandica* feeding responses to, effects of lucerne saponins on 1713
culture-medium component for,*Colladonus montanus* cell lines 3496

diet component for

Anadevidia peponis 1832*Anthonomus grandis* 1795*Bombyx mori* 5394*Ceratitis capitata* 3231*Chilo suppressalis* 134*Choristoneura fumiferana* 3031*Cydia pomonella* 3254*Dacus oleae* 666, 3229*Diparopsis castanea* 1840*Eurygaster integriceps* 5388*Hydraecia micacea* 1238*Hyphantria cunea* 965*Macrosteles fascifrons* 1835*Myzus persicae* 1836*Oncopeltus fasciatus* 660*Pectinophora gossypiella* 3491*Plectia nearctica* 6475*Spodoptera littoralis* 668*Trichoplusia ni* 4170 **α -D-Glucopyranoside, β -D-fructofuranosyl** *contd.**Galerucella grisea* feeding response to 586in *Apis mellifera* diet, effects of *Nosema apis* on consumption of 5075in *Basidiobolus ranarum*, effects on growth and sporulation of 6879in *Choristoneura fumiferana*, receptors for 4055in *Citrus* leaves, incorporation of ^{14}C into 137in *Lachnus* honeydew 2428in lemons, incorporation of ^{14}C into 137in *Leptinotarsa decemlineata*, taste receptors for 589in *Locusta migratoria*

digestion of 1852

effects of sugar phosphate on synthesis of 163

in mushroom compost, not affecting

Lycoriella auripila 1924in *Odontotermes obesus* diet, absorption of 4624

in okra, effects of yellow-vein mosaic virus infection on 1439

in *Spodoptera littoralis* diet, effects on sugar ingestion and excretion of 4650in squash, incorporation of ^{14}C into 137in sugar-cane, *Melanaspis glomerata* reducing content of 1274in *Thelaxes suberis* honeydew 2428in *Tribolium castaneum* diet, effects on insecticide susceptibility of 1026in *Viteus vitifoliae*, synthesis of amino acids from 2859*Nilaparvata lugens* feeding responses to 2496*Phthorimaea operculella* feeding responses to 3683*Spodoptera littoralis* feeding responses to 1119, 2670 **α -D-Glucopyranoside, α -D-glucopyranosyl** (trehalose)in *Basidiobolus ranarum*, effects on growth and sporulation of 6879in *Bombyx mori*, effects of diapause hormone on incorporation into ovarian glycogen of 6506in *Conidiobolus osmodes*, effects on growth and sporulation of 6879in *Dendroctonus pseudotsugae*, effects of nematode infection on 2230in *Entomophthora*, effects on growth and sporulation of 6879in *Eurosta solidaginis*, seasonal changes in 7110in *Heliothis virescens* hemolymph, effects of parasitism on 5468in *Lachnus* honeydew 2428in *Locusta migratoria* 163

α -D-Glucopyranoside, α -D-glucopyranosyl
contd.

- in *Locusta migratoria*, digestion of 1852
- in *Manduca sexta* haemolymph 1752
- in *Plecia nearctica*, metabolism of 6475
- in *Schistocerca americana* hemolymph, increasing during flight 6477
- in *Thelexes suberis* honeydew 2428

 α -D-Glucopyranoside, methyl, in *Spodoptera littoralis* diet, ingestion and excretion of
4650**D-Glucose**

Amrasca devastans feeding response to 1808

culture-medium component for, *Entomophthora thaxteriana* 2194
diet component for

Acrolepiopsis assectella 1830

Atherigona soccata 293

Ephestia calidella 1191

E. figulilella 1191

Ephialtes roborator 663

Hyphantria cunea 1242

Oryzaephilus mercator 2418

Spodoptera littoralis 668

Galerucella grisea feeding response to 586

in *Anthonomus grandis*, incorporation into sex pheromone of 601

in *Anthrenus flavipes* diet, inhibiting larval feeding 4053

in *Basidiobolus ranarum*, effects on growth and sporulation of 6879

in *Bombyx mori*

effects of diapause hormone on incorporation into ovarian glycogen of 6506

effects of temperature on metabolism of 4626

in *Conidiobolus osmodes*, effects on growth and sporulation of 6879

in *Cydia funebrana*, effects of temperature on 4622

in *Entomophthora*, effects on growth and sporulation of 6879

in *Heliothis virescens* hemolymph, not affected by parasites 5468

in *Hyalophora cecropia*, incorporation into JH of 2443

in *Lachnus* honeydew 2428

in lemons, incorporation of ^{14}C into 137

in *Locusta migratoria*
absorption and metabolism of 163
role in chitin synthesis of 3522

in *Manduca sexta* haemolymph 1752

in mouse intestine, pesticide inhibition of active transport of 1686

in *Odontotermes obesus* diet, absorption of 4624

in *Pieris brassicae*, metabolism of 35

in *Rhizobium*, effects of aldrin on carbon assimilation from 5812

D-Glucose *contd.*

in *Rhizobium japonicum*, aldicarb reducing incorporation of 6416

in *Spodoptera litura* haemolymph, effects of *Bacillus thuringiensis* on 886

in sugar-beet, effects of *Lygus disponsi* on 868

in *Tenebrio molitor*, catabolism of 4625

in *Thelexes suberis* honeydew 2428

in *Vigna radiata*, effects of mung bean yellow mosaic virus on 7349

in wool textiles, effects on insect feeding of 6277

Phthorimaea operculella feeding responses to 3683

6-(dihydrogen phosphate), in *Pieris rapae*, affinity of alkaline phosphatase for 6511

D-Glucose, 2-(acetyl-amino)-2-deoxy-, in *Locusta migratoria*, role in chitin synthesis of 3522

D-Glucose, 2-amino-2-deoxy-
in *Locusta migratoria*, role in chitin synthesis of 3522

6-(dihydrogen phosphate), in *Locusta migratoria*, formation during ecdysis of 3522

D-Glucose, 4- α -D-galactopyranosyl-, in *Locusta migratoria*, digestion of 1852

D-Glucose, 4- α -D-glucopyranosyl-
in *Basidiobolus ranarum*, effects on growth and sporulation of 6879

in *Conidiobolus osmodes*, effects on growth and sporulation of 6879

in *Entomophthora*, effects on growth and sporulation of 6879

in *Locusta migratoria*, digestion of 1852

D-Glucose, 4- α -D-glucopyranosyl-, in *Locusta migratoria*, digestion of 1852

Glucosidase, α -

in Acridid guts 5866

in *Chilo partellus* gut 581

in *Dasineura lini* 1118

in *Gilpinia hercyniae*, specific activity of 1509

in *Heliothis zea* gut 3404

in *Locusta migratoria* gut 739

in *Pectinophora gossypiella* gut 579

in *Phthorimaea operculella* gut 4649

in phytophagous Hemiptera 2396

in *Zonocerus variegatus* gut 1120

Glucosidase, β -

in Acridid guts 5866

in *Chilo partellus* gut, not found 581

in *Locusta migratoria*, activity of 1864

in *Locusta migratoria* gut 739, 3524

in phytophagous Hemiptera 2396

in *Zonocerus variegatus* gut 1120

Glucosidase, oligo-1,6-, in *Locusta migratoria* gut 739

D-Glucuronic acid

- in *Diatraea grandiosella* diet, not substituting for ascorbic acid 4652
- compound with DDA
- in hamster, DDT metabolite 1690
- in mouse, DDT metabolite 1690

Glucuronidase, β -, in *Locusta migratoria* gut 739***Gluea gastri*, in, *Anthonomus grandis*, effects on parasites of 2203****L-Glutamic acid**

- in *Acheta domesticus* haemolymph 1753
- in *Apis cerana* haemolymph 1753
- in cotton 2088
- in *Danaus chrysippus* haemolymph 1753
- in *Dichrocrocis punctiferalis* 4076
- in *Dysdercus cingulatus* hemolymph 1753, 1782
- in *Dysdercus similis* diet, requirement for 7069
- in *Macrosiphum euphorbiae* 3423
- in *Marasmia trapezalis* 4076
- in *Mylabris phalerata* haemolymph 1753
- in *Onitis distinctus* haemolymph 1753
- in *Schistocerca americana*
- effects of harmful alkaloids on responses of synapses to 1761
- receptors for 745, 4656
- in *Spodoptera exigua* haemolymph 1753
- in *Spodoptera littoralis* hemolymph, effects of insecticides on 5797
- in sugar-beet, *Lygus disponi* causing reduced level of 868
- in sugar-cane, effects on *Melanaphis indosacchari* reproduction of 2380
- in *Viteus vitifoliae* 2859
- in wheat, effects of insecticides on 274
- Spodoptera littoralis* feeding response to 2088

L-Glutamic acid, N-[4-[(2,4-diamino-6-pteridiny]methyl]amino]benzoyl]- (see Aminopterin)**L-Glutamine**

- Acyrtosiphon pisum* feeding responses to 3405
- in Hemiptera 1782
- in *Locusta migratoria*, role in chitin synthesis of 3522
- in *Papilio demoleus* 5890
- in *Spodoptera littoralis* hemolymph, effects of insecticides on 5797
- in *Viteus vitifoliae* 2859

Glutaraldehyde (see 1,5-Pentanedial)**Glutens, in wheat grain, effects of *Trogoderma granarium* on 6312*****Glycaspis*, on *Eucalyptus blakelyi*, in Australia 4400****Glycerides**

- culture-medium component for, *Antheraea eucalypti* cells 38
- Hylobius pales* feeding responses to 3928
- in *Aphis euonymi* 69

Glycerides contd.

- in *Aphis fabae* 69
- in *Ceratitis capitata*, biosynthesis of 1067
- in *Heliothis zea*, effects of flight activity on 100
- in *Icerya purchasi* 2450
- in *Locusta migratoria*
- effects of allatectomy on 5427
- utilisation during flight of 5309
- in *Locusta migratoria* haemolymph, homeostasis of 4189
- in *Myzus persicae* 69
- in *Pectinophora gossypiella*, geographical variation in 6513
- in *Pieris brassicae* 33, 1758
- in *Plecia nearctica*, metabolism of 6475
- in *Solenopsis invicta* cuticle 4200
- in *Solenopsis richteri* cuticle 4200
- in *Spodoptera exigua* eggs, developmental changes in 1780
- in *Spodoptera frugiperda*, effects of flight activity on 100

Glycerin (see 1,2,3-Propanetriol)**Glycerol (see 1,2,3-Propanetriol)****Glyceryl trioleate (see 9-Octadecenoic acid, 1,2,3-propanetriyl ester)****Glycine**

- in *Acheta domesticus* haemolymph 1753
- in *Agrotis segetum* granulosis virus 6326
- in *Apis cerana* haemolymph 1753
- in *Bombyx mori*, incorporation during starvation of 6476
- in *Cucumis callosus* 6152
- in *Cucumis melo* 6152
- in *Danaus chrysippus* haemolymph 1753
- in *Dichrocrocis punctiferalis* 4076
- in *Dysdercus cingulatus* haemolymph 1753
- in *Dysdercus similis* diet, requirement for 7069
- in *Macrosiphum euphorbiae* 3423
- in *Malacosoma americanum*, JH mimics not inhibiting incorporation into proteins of 1001
- in *Marasmia trapezalis* 4076
- in *Mylabris phalerata* haemolymph 1753
- in *Onitis distinctus* haemolymph 1753
- in *Spodoptera exigua* haemolymph 1753
- in sugar-beet, *Lygus disponi* causing reduced level of 868
- in *Viteus vitifoliae* 2859
- in wheat, effects of insecticides on 274
- compound with DDA
- in hamster, DDT metabolite 1690
- in mouse, DDT metabolite 1690
- Glycine max* (see Soy bean)**
- Glycine, N-(1-oxo-3-phenyl-2-propenyl)-**
- in hamster, DDT metabolite 1690
- in mouse, DDT metabolite 1690
- Glycine wightii*, *Amnemos quadrituberculatus* on, in New South Wales 6704**

glycines, *Aphis***Glycogen**

- in *Bombyx mori* eggs, metabolism of 4060
- in *Bombyx mori* ovaries, effects of diapause hormone on synthesis of 6506
- in *Cydia funebrana*, role in coldhardiness of 4622
- in *Galleria mellonella*, effects of thiosugars on 4034
- in *Plecia nearctica*, metabolism of 6475
- in *Plutella xylostella*, granulosus virus causing agglomeration of 7490
- in sheep, effects of insecticides on 2310
- in *Solenopsis invicta* queens effects of reproduction on 5861
- utilisation during brood production of 5259

Glycol methacrylate 4462**Glycolic acid (see Acetic acid, hydroxy-)****Glycolysis, in insect flight muscles 587****Glycoproteins, in *Drosophila melanogaster* accessory glands 6512****Glycosidase, in *Atta colombica* fecal fluid 4198****Glycosides, in *Calotropis procera*, incorporated into defensive secretion of *Spilostethus pandurus* 5874****Glycyphagidae, preying on, *Oxycanus fuscomaculatus*, in Tasmania 1366*****Glycyphagus destructor***

- acaricide susceptibility in, effects of temperature on 5800
- control of, acaricides for 1561, 5800, 6322, 7594
- development in 621
- humidity and temperature limits for 5411
- in Irish Republic 3778
- in Japan 621
- in Poland 940
- in Portugal 1535
- in UK 1561
- in USSR 6322
- in flour mills, in Portugal 1535
- in grain debris, in Irish Republic 3778
- in house dust, in Japan 621
- in medicinal herbs, in Poland 940
- in pasture seeds, in USSR 6322
- in stored barley effects of mechanical handling on 1561
- in England 1561
- in stored grain, in Irish Republic 3778

Glycyphagus domesticus

- biology of 6028
- in France 7474
- in Italy 6028
- in Poland 940
- in medicinal herbs, in Poland 940
- in prunes, in France 7474

***Glycyphagus domesticus* contd.**

- on mushroom, in Italy 6028

Glycyrrhiza glabra* (see Liquorice)**Glyphipterix cramerella* auct. (see *G. simplicella*)*****Glyphipterix fischeriella* (see *G. simplicella*)*****Glyphipterix simplicella***

- biology of 6700
- control of, insecticides for 6700
- in USSR 6700
- on *Festuca*, in Karelian ASSR 6700

Glyphodes pyloalis*, cytoplasmic polyhedrosis virus in, infectivity of 2192**Glyphomerus stigma***

- in USSR 7209
- parasitising, *Diplolepis mayri*, in USSR 7209

Glypta bipunctoria

- in USSR 6832
- parasitising, *Tortrix viridana*, in Russian Republic 6832

Glypta fumiferanae

- in USA 5437
- parasitising, *Choristoneura fumiferana*, in Maine 5437

Glypta tenuitarsis

- in West Germany 5663
- parasitising, *Cydia pactolana*, in West Germany 5663

Gnamptogenys pleurodon*, alarm pheromone in 2410*Gnaphosidae, preying on, *Thecodiplosis japonensis*, in South Korea 3488*****Gnathamitermes tubiformans***

- control of, effects on soil of 3562
- in USA 3562
- in grassland, in Texas 3562

Gnathocerus cornutus

- control of, fumigants for 1536
- in Portugal 1535-1536
- in flour mills, in Portugal 1535-1536
- in milk powder, development of 7459

Gnathotrichus sulcatus

- aggregation in 61
- in Canada 5064
- in *Tsuga heterophylla* timber, in British Columbia 5064
- pheromones in 61, 5030

gnava*, *Pegohylemyia*, (*Phorbia*)**gnidiella*, *Cryptoblabes******gnidus*, *Gryon******Gnophothrips fuscus***

- in USA 5679
- on *Pinus elliottii* distribution pattern of 5679
- in Florida 5679

Gnorimoschema operculella* (see *Phthorimaea*)**Goes pulverulentus***

- in USA 5065
- in *Quercus* timber, in USA 5065

goidanichi*, *Eurytoma

- Goldfish** (see *Carassius auratus*)
- Gomphrena**, *Empoasca decipiens* on, in Bulgaria 3510
- gomyi**, *Sticholotis*
- Gonadotropic hormones**, in *Melanoplus sanguinipes*, originating in corpora allata 5887
- gonagra**, *Leptoglossus*
- Gonapodini**, parasitising, *Auchenorrhyncha* 6012
- Gonatocerus cicadellae**
in Italy 1384
parasitising, *Tettigella viridis*, in Italy 1384
- Gonimbrasia belina**
in Mozambique 559
parasitised by, *Hockeria nudaureliae*, in Mozambique 559
- Goniophthalmus halli**
in India 6641
parasitising, *Diacrisia obliqua*, in Madhya Pradesh 6641
- Goniozus**, parasitising, *Cnaphalocrocis medinalis*, in Kerala 2798
- Goniozus japonicus**
in Japan 786
parasitised by
Eurytoma spp., in Japan 786
Pediobius pyrgo, in Japan 786
parasitising
Adoxophyes fasciata, in Japan 786
A. orana, in Japan 786
- Goniozus platynotae**
in USA 5438
oviposition in 5438
parasitising, *Platynota stultana*, in California 5438
- Goniozus rugosus**
sp. n., description of 1893
biology of 1893
in Pakistan 1893
parasitising
Nausinoe spp., in Pakistan 1893
Trachylepidia fructicassella, in Pakistan 1893
- Gonipterus scutellatus**, distribution maps for 4153
- Gonocerus acuteangulatus**, control of, sterile-insect release for 3246
- goodnightorum**, *Theridion*
- Goose**, Canada (see *Branta canadensis*)
- Goose**, grey lag (see *Anser anser*)
- Gooseberry** (*Ribes grossularia*)
Hyperomyzus thalidus on, in Poland 312
Synanthedon tipuliformis on, in France 6712
- Gooseberry**, Cape (see *Physalis peruviana*)
- Gooseberry orchards**, *Coccinellidae* in, in Finland 3546
- gordius**, *Sympiesis*
- Gorgopis libania**
in Tanzania 4287
- Gorgopis libania** contd.
in pastures, in Kenya 4287
- gortynoides**, *Bellura*
- gossipi**, *Amblyseius*
- gossypiella**, *Pectinophora* (*Platyedra*)
- gossypii**, *Acyrtosiphon* (*Macrosiphum*)
- gossypii**, *Aphis*
- gossypii**, *Corythucha*
- gossypii**, *Eurytoma*
- gossypii**, *Paurocephala*
- gossypii**, *Phenacoccus*
- gossypii**, *Rogas*
- Gossypina glauca**
gen. et sp. n., description of 701
in Peru 701
on cotton, in Peru 701
- Gossypium**, *Anthonomus grandis* on, in North America 1331
- Gossypium arboreum**
Amrasca devastans on, development of 157
Empoasca kerri on, development of 157
- Gossypium barbadense**
Earias spp. on, varietal preferences of 3705
Lygus hesperus on, resistance to 390
Pectinophora gossypiella on, varietal preferences of 3705
- Gossypium harknessii**
Anthonomus grandis on, in Mexico 1331
Lygus hesperus on, resistance to 390
- Gossypium herbaceum**
Amrasca devastans on, development of 157
Empoasca kerri on, development of 157
- Gossypium hirsutum**
Amrasca devastans on, development of 157
Earias spp. on, varietal preferences of 3705
Empoasca kerri on, development of 157
Lygus hesperus on, resistance to 390
Pectinophora gossypiella on
resistance to 4984
varietal preferences of 3705
- Gossypium laxum**, *Anthonomus grandis* on, in Mexico 1331
- Gossypium lobatum**, *Anthonomus grandis* on, in Mexico 1331
- Gossypium longicalyx**, *Lygus hesperus* on, resistance to 390
- Gossypure** (see 7,11-Hexadecadien-1-ol, acetate, (*E,Z*)-, with (*Z,Z*)-7,11-hexadecadienyl acetate)
- Gossypol** (see [2,2'-Binaphthalene]-8,8'-dicarboxaldehyde, 1,1',6,6',7,7'-hexahydroxy-3,3'-dimethyl-5,5'-bis(1-methylethyl)-)
- gougeletii**, *Carabus latus* (see *C. lusitanicus latus*)

Gourd

- Anadevidia peponis* on, in India 7494
Henosepilachna vigintioctopunctata on, in India 1299

Gourd, bitter (see *Momordica charantia*)**Gourd, bottle** (see *Lagenaria siceraria*)**Gourd, ribbed** (see *Lagenaria vulgaris*)**gowdeyi, Haplothrips****grabouwi, Tydeus****Grace's medium, culture-medium component**
 for, *Acyrtosiphon pisum* symbionts 132**gracilis, Decticus verrucivorus****gracilis, Lipolexis****gracilis, Orthomorpha, (Oxidus)****gracilis, Orthosia, (Monima)****gracilis, Paromius****gracilis, Passaloecus****Graellsia isabellae**

biology of 1161

in Spain 6583

on *Pinus*, in Spain 6583

rearing of, techniques for 6583

Grain crops

Acyrtosiphon dirhodum on, in Europe 1339

Aelia acuminata on, in Greece 4609

A. rostrata on, in Greece 4609

Agrotis spp. on, in Iran 1341

Amphipoea fucosa on, in USSR 3856

Anisoplia spp. on, in Turkey 7226

Apamea anceps on, in USSR 3856

aphids on 7579

arthropod pests of

in East Germany 7160

in UK 545

barley yellow dwarf virus in, in Wales 4872

Carabidae on, in North America 770

Chlorops pumilionis on

damage caused by 6927-6928

in Poland 6927-6928

Cnephasia pasiuana on, in Bulgaria 271

Eurygaster spp. on, in Romania 273

E. integriceps on

forecasting infestations of 1189

in USSR 1189

Hadena sordida on, in Kazakhstan 1346

Haplodiplosis marginata on, damage caused by 4253

Hylemya brassicae on 3409

insect pests of, in Finland 6592

Lema spp. on, in USSR 6656

Macrosiphum avenae on

in Europe 1339

in West Germany 1610

M. fragariae on, in West Germany 1610

Mocis frugalis on 3578

Mythimna separata on

damage caused by 3579

in New Zealand 3579

Grain crops contd.

Ochsenheimeria vacuella on, in USSR 2349

Oria muscosa on, in USSR 3856

pest control on 5113

seed treatments for 3965

pests of

in Denmark 5400

in East Germany 4522

in Malaysia 2678

in UK 7618

in West Germany 6993

Rhopalosiphum padi on

in Europe 1339

in West Germany 1610

rice stripe virus in 2188

Schizaphis graminum on, in USA 5485

Spodoptera exempta on

forecasting infestations of 2647

in East Africa 2647

Tipula spp. on, in UK 7588

virus diseases of

in Finland 7227

in Turkey 7227

Zabrus spp. on, in Turkey 7226

Z. tenebrioides on, in Romania 6027

Grain debris

Cheyletus eruditus in, in Irish Republic 3778

Glycyphagus destructor in, in Irish Republic 3778

Niptus hololeucus in, in West Germany 5763

Tyrophagus putrescentiae in, in Irish Republic 3778

Grain fields

Carabidae in

effects of insecticides on 6040

in West Germany 6007

Coccinellidae in, in Finland 3546

predacious arthropods in, in England 4772

spiders in, in Finland 2767

Grain (stored)

Acarus immobilis in, in Irish Republic 3778

arthropod pests of, in Peru 692

Blaps mucronata in, in West Germany 443

Cartodere constricta in, in Canada 1551

Cryptolestes ferrugineus in, in Canada 1551

Cryptophagus varus in, in Canada 1551

dichlorvos in, determination of 5056

fumigants in

effects of temperature and air pressure on 5059

effects of temperature on 2312

Glycyphagus destructor in, in Irish Republic 3778

insect damage to, in India 6316

insect-insecticide interactions in 6284

Grain (stored) contd.

- insect pests of 7463
 - in Australia 7686
- insecticides in
 - extraction of 4528
 - metabolism of 6942
 - persistence of 6859
- interstitial air movement in 5712
- Lathridius minutus* in, in Canada 1551
- Leiodinychus krameri* in, in Orissa 5055
- Lepidoptera in, in Yugoslavia 6885
- losses of, surveys of 6230
- mites in
 - in England 5411
 - in Irish Republic 5411
 - in UK 7594
 - in Wales 5411

***Oryzaephilus surinamensis* in, in UK 7595**

- pest control in 3098
 - aeration devices for 1557
 - aeration for 6233
 - bromophos for 6279
 - environmental modifications for 7468
 - evaluation of 6250
 - fumigants for 4442–4443
 - in Portugal 1539
 - inert atmospheres for 5348
 - insect growth regulators for 7082
 - insecticides for 935
 - γ -irradiation for 3219
 - non-toxic dusts for 1553
 - pirimiphos-methyl for 6283
 - protective atmospheres for 6260
 - temperature control for 6258, 6264
- pesticide use in, in India 6274
- pests of 2265, 3777, 5699
 - effects of climate on 6236
 - effects of pneumatic conveyers on 2172
 - in Cyprus 3971
 - in East Germany 2170–2172
 - in Malaysia 2678
 - in Victoria 1557

***Plodia interpunctella* in, in Bulgaria 2166**

- Rhyzopertha dominica* in
 - damage caused by 4444
 - in East Germany 4444
- storage and preservation of 3777
- storage buildings for, suitability of 1541
- storage structures for 6263
- Trogoderma glabrum* in 1159
- T. inclusum* in 1158
- T. variabile* in 1160
- Tyrophagus longior* in, in Irish Republic 3778

Grain stores (see Granaries)***grallarius*, *Neanastatus*****Gram, Bengal (see *Cicer arietinum*)****Gram, black (see *Vigna mungo*)****Gram, green (see *Vigna mungo*, *Vigna radiata*)****Gram, horse (see *Dolichos biflorus*)****Gram, red (see *Cajanus cajan*)****Gram, white (see *Cicer arietinum*)****Gramineae (see Poaceae)*****Graminella nigrifrons***

- control of, insecticides for 5503
- in USA 5503
- on maize, in Georgia (USA) 5503

graminis*, *Antonina***graminis*, *Bolacidotherpis******graminis*, *Cerapteryx******graminis*, *Eremiaspis******graminivora*, *Numicia******graminum*, *Schizaphis*****(*Toxoptera*)*****granaria*, *Calandra* (see *Sitophilus granarius*)****Granaries**

- arthropods in, in Yugoslavia 6853
- insect pests of, changes in status of 6237
- Oryzaephilus surinamensis* in, in Yugoslavia 449

pest control in, bromophos for 6858**pesticide use in, in UK 6317*****Sitophilus* spp. in, in Yugoslavia 449*****Tribolium* spp. in, in Yugoslavia 449*****granarium*, *Macrosiphum* (see *M. avenae*)*****granarium*, *Sitobium* (see *Macrosiphum avenae*)*****granarium*, *Trogoderma******granarius*, *Sitophilus******grandella*, *Hypsipyla******grandiclava*, *Sceptrothelys******grandicollis*, *Ips******grandii*, *Macrocentrus******grandiosella*, *Diatraea*****(*Zeadiatraea*)*****grandis*, *Anthonomus******grandis*, *Phonoctonus******grandis*, *Trissolcus*****(*Asolcus*)*****Grandlure* (*Anthonomus grandis* sex pheromone)**

- adopted as common name in *RAE*, p. 7
- attractant for, *Anthonomus grandis* 2563, 2993–2994, 5638, 6189, 6191, 7059, 7394, 7567

in *Anthonomus grandis*

- effects of chemosterilants on production of 4686
- lifetime synthesis potential of 1483
- synthesis of 601
- in soil, degradation of 6990
- in water, degradation of 6990
- oxidation products of 6990

granulatus*, *Carabus**Grape juice, DDT in, residues of, effects of fermentation and distillation on 5784****Grape, Oregon (see *Mahonia*)**

Grapefruit (*Citrus paradisi*)

- Aleurocanthus woglumi* on, in Florida 6744
Anastrepha suspensa on, in Florida 3830
Ceratitis capitata on, imported into Austria 6588
Phyllocoptruta oleivora on, in Surinam 2893

Stenella spp. in, in Surinam 2893

Grapevine (*Vitis vinifera*)

- Adoretus* spp. on, in Punjab 4887-4888
A. bicolor on, in Karnataka 846
Anomala spp. on, in Punjab 4887
Apogonia spp. on, in Punjab 4887
Argyrotaenia citrana on, in California 4639

A. pulchellana on
 damage caused by 317
 in Hungary 317

arthropods associated with, in Colombia 4739

azinphos-methyl in, residues of 2857

- Botrytis cinerea* in, in Hungary 317
Brevipalpus lewisi on, in Bulgaria 1998
Coccus pseudomagnoliarum on, in Turkey 1427

Coelidia olitoria on, in North Carolina 6090

cyhexatin in, determination of 122
Desmia funeralis on, in Missouri 316

Drepanothrips reuteri on
 damage caused by 1400
 in Switzerland 1400

Empoasca vitis on, damage caused by 1993

Eotetranychus carpini on, in Italy 2253

Eriophyes vitigineusgemma on
 damage caused by 1399
 in Crimea 1399

Erythroneura zizac on, in British Columbia 6095

ethion in, residues of 2857

Eugnorisma miniago on
 in Azerbaijan 2858
 in Iran 2858

Eulecanium tiliae on, in British Columbia 6095

Eupoecilia ambiguella on
 damage caused by 1999
 in Bulgaria 1999

Euproctis fraterna on
 feeding preferences of 4653
 in Punjab 4653

Frankliniella tritici on, in British Columbia 6095

grapevine flavescence dorée disease, causal agent in, in Italy 7293

grapevine Pierce's disease
 causal agent in
 detection of 2856
 in California 3617

Hordnia circellata on, in California 3617

Grapevine *contd.*

insects on
 in Azerbaijan 313
 in Iraq 4397

Lepidoptera on, in South Korea 2002
 leptophos in, residues of 1685

Limoniufus infuscatus on, in British Columbia 6095

Lobesia botrana on
 damage caused by 5548

in Bulgaria 314-315, 1998
 in Daghestan 6094

in Italy 6713
 in USSR 5822

in Yugoslavia 5548

Magicicada spp. on, in Ohio 6521

Margarodes vitis on, in Brazil 155
 mealybugs on, in eastern Mediterranean 4302

Microcerotermes diversus on, in Iran 7287

mites on
 in Azerbaijan 313
 in Taiwan 1403

mycoplasma diseases of 7481
 naled in, residues of 2857

Naupactus xanthographus on, in Chile 687

nematodes in 2594

Otiorynchus sulcatus on, in British Columbia 6095

Pachyrhinadoretus rugipennis on, in Punjab 4888

Panonychus ulmi on
 in British Columbia 6095
 in Bulgaria 7292

in Italy 2253
 in Yugoslavia 5547

Paralobesia viteana on 3745
 in Missouri 316

Paropta paradoxus on, in Israel 4889-4890

Parthenolecanium corni on, in France 2722

pest control on 1629, 5113, 7608
 in Japan 2853

pesticide taints in, avoidance of 7675
 phosalone in, residues of 2857

Planococcus citri on, in South Africa 5943

P. ficus on, in South Africa 4302

Poeciloceris pictus on, in Karnataka 1401

Pseudococcus spp. on, in New Zealand 3183

Scaphoideus littoralis on, in Italy 7293

Schizonychia ruficollis on, in Punjab 4887-4888

Sphaeraspis prieskaensis on, in South Africa 5960

Spodoptera littoralis on, development of 5254

Grapevine contd.

sugar in, relation to damage by
Lepidoptera of 2002

Synoxylon sexdentatum on
damage caused by 7291
in Italy 7291

Tetranychus pacificus on, in California
845, 1402

T. urticae on, in British Columbia 6095

Theresimima ampelophaga on, in Bulgaria
2000

virus diseases of 7481

Viteus vitifoliae on 2592, 2594
damage caused by 5960
in British Columbia 6095
in Venezuela 2001
resistance to 2593

Xylosandrus compactus on, in Florida
332

Grapevine (dried fruit) (see Raisins and sultanas)**Grapevine flavescence dorée disease**
causal agent

in
grapevine, in Italy 7293
Scaphoideus littoralis, transmission of
7293, 7481

Grapevine Pierce's disease

causal agent
bacterium implicated as 2854–2855
in

Draeculacephala minerva
detection of 2856
transmission of 2854–2855

grapevine
detection of 2856
in California 3617

Hordnia circellata
in California 3617
transmission of 7481

Graphania

control of, integrated 1421
on apple, in New Zealand 1421

Graphognathus

control of, insecticides for 1692, 2944
in stored soy beans 1692
on groundnut, in Louisiana 2944
on rye, in Louisiana 2944

Graphognathus leucoloma

descriptions of 3605
in New Zealand 3605
life-cycle of 3605
on lucerne

damage caused by 3605
in New Zealand 3605

on potato

damage caused by 3605
in New Zealand 3605

Grapholitha funebrana (see Cydia)**Grapholitha molesta (see Cydia)****Grapholitha prunivora (see Cydia)****Grapholitha sinana (see Cydia)**

Graphosoma, parasites of, in USSR 4811

Graphosoma lineatum

parasitised by

Trissolcus grandis 4810

T. simoni 4810

rearing of, techniques for 4813

Grass, Bahia (see *Paspalum notatum*)

Grass, barnyard (see *Echinochloa crus-galli*)

Grass, centipede (see *Eremochloa ophiuroides*)

Grass, cheat (see *Anisantha tectorum*)

Grass, Coastal Bermuda (see *Cynodon dactylon*)

Grass, cocksfoot (see *Dactylis glomerata*)

Grass, cotton (see *Imperata cylindrica*)

Grass, couch (see *Agropyron repens*)

Grass, deer (see *Rhexia*)

Grass, dried, in locust diet, effects on water
relations of 1255

Grass, Guinea (see *Panicum maximum*)

Grass hay, DDT in, residues of 5210

Grass, Johnson (see *Sorghum halepense*)

Grass, napier (see *Pennisetum purpureum*)

Grass, Pangola (see *Digitaria decumbens*)

Grass, Para (see *Brachiaria mutica*)

Grass, perennial rye- (see *Lolium perenne*)

Grass, reed canary (see *Phalaris arundinacea*)

Grass, Rhodes (see *Chloris gayana*)

Grass, rye- (see *Lolium*)

Grass, St. Augustine (see *Stenotaphrum secundatum*)

Grass, Sudan (see *Sorghum halepense*)

Grass, timothy (see *Phleum pratense*)

Grass, wheat (see *Agropyron cristatum*)

Grasses

Abacarus hystrix on, in USSR 6526

Aelia acuminata on
damage caused by 6701
in USSR 6701

Aeneolamia varia on, in Venezuela 1365

Amphimallon solstitialis on, in Hungary
4281

Bako malayanus on, in Thailand 1200

BHC in, residues of 3317

Cerapteryx graminis on
damage caused by 5522
in USSR 5522

cereal tillering disease, causal agent in,
symptoms of 3803

Chorthippus parallelus on, feeding
preferences of 169

Cuerna arida on, in Arizona 838

C. balli on, in Arizona 838

DDT in, residues of 1050

Delphacidae on, in India 2324

Eriopeltis spp. on 6994

Kraussaria angulifera on, in Nigeria
1855

Ledra aurita on, in Italy 1384

Lema gallaeciana on, in Poland 2772

Grasses contd.

- Leptopterna dolabrata* on
damage caused by 6701
in USSR 6701
- Locusta migratoria* on, in Malagasy
Republic 6606
- Margaritita sticticalis* on, in Ukraine 7278
- Melanoplus confusus* on, effects of C₄
photosynthesis on 2682
- Metius* spp. on, in Argentina 774
- Mocis frugalis* on 3578
- M. latipes* on, in Florida 1364
- Mogannia iwaskii*, in Okinawa Prefecture
262
- Mythimna unipuncta* on, in Khabarovsk
5486
- Numicia graminivora* on, in Hong Kong
6999
- Oscinella frit* on
in Bulgaria 7230
in East Germany 2790
- Oulema melanopus* on, in Poland 2772
- pest control on 7619
biological 6621
in UK 3272
- pests of
in Canada 4248
in Denmark 5400
in Puerto Rico 1975
- Phytobia incisa* on, in Bulgaria 279
- Phytocoptes deschampsiae* on, in USSR
6526
- Plesiothrips perplexus* on, in Mexico
3357
- Psalis pennatula* on 6790
- Pterostichus* spp. on, in Argentina 774
- rice stripe virus in 2188
- ryegrass bacilliform virus in, in UK 4453
- ryegrass spherical virus in, in UK 4453
- Sericothrips inversus* on 902
- S. variabilis* on, in Mexico 3357
- Spodoptera exempta* on, in Rhodesia
4247
- Stemmatomerinx* spp. on, in USA 6702
- Stenotarsonemus pashini* on, in USSR
6675
- Tetraneura radicolica* on, in Assam 6695
- Thymelicus lineola* on, in Quebec 4875
- toxaphene in, residues of 1050
- Triptseuxoa strigata* on, in Uruguay 5404
- white-ear in 1930

Grasses (powdered), diet component for,

Tipula oleracea 5396

Grasshopper (see Saltatoria)**Grassland**

- Apion* spp. in, in Ukraine 7182
- arthropod pests of, in UK 545
- Aulocara elliotti* in, in Washington 3319
- Brachaspis nivalis* in, in New Zealand
2831
- Camnula pellucida* in, in Washington
3319

Grassland contd.

- Chalcidoidea in, in Hungary 2630
- Chloropidae in, in Alberta 7277
- Chorthippus latipennis* in, in Japan 3600
- Chrysomelidae in, in Kazakhstan 7183
- Curculionidae in
effects of burning on 2525
effects of grazing on 2525
in Kansas 2525
- Dalaca rufescens* in, in South Africa
2829
- Epilachna pustulosa* in, in Japan 1079
- Gnathamitermes tubiformans* in, in Texas
3562
- grasshoppers in
in Colorado 4878
in New Zealand 1833
in Tanzania 116
in Wyoming 4878
- invertebrates in, in USSR 2502
- Melanoplus sanguinipes* in, in Washington
3319
- Mongolotettix japonicus* in, in Japan
3600
- Oedaleonotus enigma* in, in Washington
3319
- Oribatidae in, in Japan 1976
- Orocrambus* spp. in, in New Zealand
4280
- Paprides nitidus* in, in New Zealand
2831
- Parapleurus alliaceus* in, in Japan 3600
- pest control in, in UK 6427
- pests of, in Nova Scotia 300
- Philaenus spumarius* in, in England 5250
- Pogonomyrmex occidentalis* in
effects of 174
in Colorado 174
- shoot-flies in
damage caused by 4289
in Northern Ireland 4288-4289
- Sigauss australis* in, in New Zealand 2831
- soil fauna in, in Japan 177
- soil invertebrates in 1367
- spiders in, in Finland 2767
- Spodoptera exempta* in
forecasting infestations of 2647
in East Africa 2647
- Tipula* spp. in, in Netherlands 6664
- Grassland, acidic**
- Cicadellidae in, in UK 195
- Delphacidae in, in UK 195
- Grassland, alpine tussock**
- Cecidomyiidae in, in New Zealand 1974
- Diploptoxa neozelandica* in, in New
Zealand 1974
- grasshoppers in
damage caused by 2272
grazing pressure by 741
in New Zealand 741
- Megacraspedus calamogonus* in, in New
Zealand 1974

Grassland, kunai

- Anoplolepis longipes* in, in Papua New Guinea 1270
Iridomyrmex cordatus in, in Papua New Guinea 1270
Odontomachus simillimus in, in Papua New Guinea 1270
Polyrhachis spp. in, in Papua New Guinea 1270

Grassland, lowland

- Melolontha melolontha* in, in West Germany 1759
Tana paulseni in, in Chile 685

Grassland, relict, Carabidae in, in Iowa 2705**Grassland, urban mown**

- Cardiocondyla nuda* in, in Papua New Guinea 1270
Iridomyrmex cordatus in, in Papua New Guinea 1270
Meranoplus spp. in, in Papua New Guinea 1270

Grassy stunt virus (see Rice grassy stunt virus)***Gratiana lutescens lutescens***

- biology of 4242
 in Argentina 4242
 on eggplant, development of 4242
 on *Solanum elaeagnifolium*, development of 4242
 on *Solanum sodomium*, development of 4242

Gratiana lutescens pallidula

- biology of 4242
 in USA 4242
 on eggplant, development of 4242
 on *Solanum elaeagnifolium*, development of 4242
 on *Solanum sodomium*, development of 4242

Gravarmata amethystana

- in Japan 1094
 parasitised by, *Dolophron nishiguchii*, in Japan 1094

Gravarmata retiferana* (see *G. amethystana*)*Gravity, responses of *Melolontha melolontha* to 3467, 4702****Greece**

- Abies cephalonica* in, pests of 5000
Alia spp. in 4609
Agriotes spp. in, on sugar-beet 2663
Aonidiella aurantii in, on *Citrus* 5103
Archips rosanus in, on *Citrus* 4913
Bradybatus creutzeri in, on herbaceous plants 5015
Chrysomphalus dictyospermi in, on *Citrus* 5103
Citrus spp. in, pests of 5096
Coccus aegaeus in
 natural enemies of 6121
 on *Citrus* 6121

Greece contd.

- Dacus oleae* in 2899, 4120, 5137
 natural enemies of 2900, 6552
 on olive 2900, 4026
Ernobius kailidisi in, on *Abies* 5223
 forests in, arthropods associated with 2134
 maize in, pest control on 7603
Prolasioptera berlesiana in, natural enemies of 6552
Rhyacionia buoliana in, on *Pinus* 7419
Saissetia oleae in
 natural enemies of 6130, 6135, 6626
 on *Citrus* 5103, 6130
 on olive 5103, 6130, 6135, 6626
Sphenoptera jugoslavica in, on *Centaurea diffusa* 6029
 sterile-insect release in 5126
Tetranychus urticae in 4606
 Tipulidae in 4713

Green gram mosaic virus

- hosts of 860
 in
Aphis craccivora, transmission of 860
A. gossypii, transmission of 860
Myzus persicae, transmission of 860
Phaseolus aureus, in Tamil Nadu 860

Green petal disease

- causal agent
 hosts of 5719
 in
Euscelis plebeja, transmission of 5719
Macrostes cristatus, transmission of 5719

Greengage (*Prunus insititia* var. *italica*)

- Cydia pomonella* on, development of 4308

greeni, *Bracon***greeni, *Dactylopius* (see *D. confusus*)*****Greenidea artocarp***

- cardamom mosaic virus in, transmission of 145
 in India 145

Greenland

- Coccoidea in 6448
Nomophila nearctica in 5343

gregaria, *Atheta***gregaria, *Schistocerca******Gregarina polymorpha***

- in
Ephestia kuehniella, in Yugoslavia 6307
Sitotroga cerealella, in Yugoslavia 6307

Gregarinida, in, mill insects, in Yugoslavia 4485**Gregarisation pheromones, *Schistocerca americana* 3520, 5426*****Gregopimpla inquisitor***

- in USSR 6818

Gregopimpla inquisitor *contd.*

- parasitising, *Yponomeuta rorellus*, in
Ukraine 6818

Grenada

- Chrysobothris picklesi* in, on *Citrus* 5399
Psiloptera guildini in, on *Citrus* 5399
Xyleutes punctifer in, on *Citrus* 5399

Gretchena bolliana

- attractants for 6924
flight activity in 3396
in USA 3396, 6924
on pecan, in Georgia (USA) 3396
traps for 3396

Grewia asiatica

- Anomala bengalensis* on, in Punjab 2114
Apogonia uniformis on, in Punjab 2114
Lachnosterna consanguinea on, in Punjab
2114

- Schizonycha* spp. on, in Punjab 2114

grijpmai, Sematoneura

- Grindelia squarrosa*, *Uroleucon richardsi* on,
in Utah 5919

grisea, Platycleis**griseanae, Phytodietus****grisella, Achroia****griseola, Hydrellia****grisescens, Galerucella**

- Gromphadorhina portentosa*, carbaryl in,
metabolism of 3526

Groundnut (Arachis hypogaea)

- Acalymma bivittulum* on, in Brazil 4957
aldrin in, residues of 1048

Aphis craccivora on

- effects of plant density on 6325
effects of sowing date on 6325
feeding by 503
in Georgia (USA) 3119
in Malawai 6325
in Mysore 1298
in Uganda 2945

- arthropod pests of, in Nigeria 5609

- Cerotoma fascialis* on, in Colombia 5983

- Chrysodeixis chalcites* on, in Tamil Nadu
6882

- DDT in, residues of 1048

- Diabrotica balteata* on, in Colombia
5983

- Diacrisia obliqua* on, in Karnataka 1583

- dieldrin in, residues of 1048

- Diplopoda on, in Senegal 2063

- Dorylus orientalis* on, damage caused by
6610

- Elasmopalpus lignosellus* on

- in Oklahoma 3678, 4343

- in Texas 4342, 4344

- in USA 1460

- resistance to 4343

Enneothrips flavens on

- damage caused by 1461-1462

- in Brazil 368, 1461-1462, 7361

Euphysothrips minozzii on

- feeding on rust spores 6781

Groundnut *contd.*

- Euphysothrips minozzii* on *contd.*

- in Tamil Nadu 6781

- Graphognathus* spp. on, in Louisiana
2944

- groundnut rosette virus in

- in Malawi 6325

- in Uganda 1459, 2945

- groundnut stunt virus in 3120

- Heliothis armigera* on, in Bulgaria 1275

H. zea on

- in Georgia (USA) 2923

- in Oklahoma 3678

- Hippelates pusio* on 2180

- Kraussaria angulifera* on, in Nigeria
1855

- Lachnosterna consanguinea* on, in
Rajasthan 7362

- L. fissa* on, in Haryana 5372

- leaf-eating insects on, damage caused by
725

- Mocis* spp. on, unable to develop 4283

- Myzus persicae* on, in Georgia (USA)
3119

- Pangaeus bilineatus* on, in Texas 4344

- Pantomorus glaucus* on, in Brazil 4760

- Peridontopyge* spp. on

- damage caused by 2064

- in Nigeria 2064

- pest control on, in Malawi 2246

- propargite in, determination of 1826

- Sitona crinitus* on, in Israel 4959

- S. lineatus* on, in Israel 4959

Stegasta basqueella on

- damage caused by 4956

- in Brazil 4956

- in Oklahoma 3678

Tetranychus urticae on

- effects of irrigation on 5986

- in Egypt 5986

- Therioaphis ononidis* on, in Mysore 1298

Groundnut (broken nuts), bait component

- for, stored-product insects 5706

Groundnut fields, Lachnosterna spp. in, in

- Rajasthan 4958

Groundnut meal

- Ephestia cautella* in, development of
6460

- Plodia interpunctella* in, unable to develop
6460

Groundnut mosaic virus, in, *Aphis*

- craccivora*, transmission of 5609

Groundnut mottle virus

- in

- Aphis craccivora*, transmission of 3119

- Myzus persicae*, transmission of 3119

- soy bean

- in Georgia (USA) 3119

- resistance to 3119

Groundnut pod rot, role of soil microfauna

- in 120

- Groundnut (roasted nuts)**, diet component
for, *Dacus oleae* 5136
- Groundnut rosette virus**
control of, vector control for 2945
in
Aphis craccivora
in Uganda 1459
transmission of 1459, 2945, 6325
groundnut
in Malawi 6325
in Uganda 1459, 2945
- Groundnut rust** (see also *Puccinia arachidis*)
- Groundnut (stored nuts)**
Alphitobius diaperinus in, not developing 6314
Carpophilus dimidiatus in, in USA 1846
Caryedon serratus in
in Gambia 6282
in Senegal 6234
Cryptolestes spp. in, development of 3096
diet component for, *Ceratitis capitata* 3231
Ephestia cautella in 1565
in Malawi 2650
Oryzaephilus mercator in, development of 114, 4100
O. surinamensis in, development of 1799
pest control in 6226, 6234
phosphine in, residues of 1701
Tribolium castaneum in 3834
development of, effects of prey availability on 3407
Trogoderma granarium in, in Senegal 6234
- Groundnut stunt virus**
hosts of 3120
in
Aphis craccivora, transmission of 867
Coronilla varia, in Virginia 3120
Myzus persicae, transmission of 3120
soy bean, in Japan 867
- Groundsel** (see *Senecio vulgaris*)
- Groundsel-bush** (see *Baccharis halimifolia*)
- gruszkorum**, *Aphthona*
- Gryllidae**
DDT in, effects of 6968
in America 1271
in Peru 1271
in West Indies 1271
on sunflower, in Yugoslavia 4972
preying on, *Oxycanus fuscomaculatus*, in Tasmania 1366
taxonomy of 1271
- Gryllinae**, in India 6439
- Grylloblattodea**, in Turkey 4141
- Grylloides sigillatus**
head musculature in 1735
in India 6439
- Grylloidea**, in Poland 7136
- Gryllotalpa**
biology of 2966
Gryllotalpa contd.
on potato, in Queensland 2966
- Gryllotalpa africana**
in Papua New Guinea 4852
on *Cola*, in West Africa 4245
on rice, in Papua New Guinea 4852
- Gryllotalpa gryllotalpa**
control of, insecticides for 3950
in France 3950
- Gryllotalpidae**
in America 1271
in Peru 1271
in West Indies 1271
taxonomy of 1271
- Gryllus assimilis**, dieldrin in, sublethal effects of 5433
- Gryllus bimaculatus**
neurosecretory system in 2361
tympanal organs in, directional sensitivity of 2434
- Gryllus campestris**
acoustic behaviour in 6535
diapause in 4692
genitalia in 7136
in Poland 7136
in USSR 6535
migration in 6535
non-target effects of insecticides on 7136
- Gryllus domesticus** (see *Acheta*)
- Gryllus firmus**
in USA 6525
seasonal abundance of 6525
sex ratio in 6525
traps for 6525
- Gryllus integer**, olfactory communication in 6611
- Gryllus mitratus** (see *Teleogryllus*)
- Gryllus ovisopis**
in USA 6525
seasonal abundance of 6525
sex ratio in 6525
traps for 6525
- Gryllus pennsylvanicus**
in USA 4709
stridulation in, seasonality of 4709
- Gryllus rubens**
in USA 6525
seasonal abundance of 6525
sex ratio in 6525
traps for 6525
- Gryllus veletis**
in USA 4709
stridulation in, seasonality of 4709
- Gryon gnidus**
biology of 6615
in Nigeria 6615
parasitising, *Acanthomia tomentosicollis*, in Nigeria 6615
- Grypocentrus albipes**
in Austria 3749

Grypocentrus albipes *contd.*

parasitising

Fenusa pusilla

and biological control using

in Canada 1883

in Newfoundland 3749

GS-13006 (see Athidathion)**GS-15171** (see 1 *HP*Pyrazole-1-propanoic acid, 5-[[[(dimethylamino)carbonyl]oxy]-3-methyl-, ethyl ester])**GS-39026**against, *Psila rosae*, on carrot 2957

in carrot, residues of 2957

in soil, residues of 2957

GT, against, *Atomaria linearis*, on sugar-beet 2952**Guadeloupe***Acromyrmex octospinosus* in

natural enemies of 2693

nematodes associated with 2692

Diatraea impersonatella inon *Paspalum virgatum* 6668

on sugar-cane 6668

D. saccharalis inon *Paspalum virgatum* 6668

on sugar-cane 6668

Lachnosterna patrueloides in 474

on sugar-cane 4826

L. plaei in 474

Scarabaeidae in, on sugar-cane 4825

Guanidine, dodecyl-, monoacetate (see Dodine)**Guanidine**, *N*-methyl-*N'*-nitro-*N*-nitroso-, in *Bacillus thuringiensis*, inducing sporeless mutants 2223**Guanine** (see 6 *HP*Purin-6-one, 2-amino-1,7-dihydro-)**Guanosine**, in *Pieris brassicae*, role in purine metabolism of 1743**Guar** (see *Cyamopsis tetragonoloba*)**Guatemala***Antichloris viridis* in, on banana 2350*Dendroctonus* spp. in, on *Pinus* 925*D. frontalis* in, on *Pinus* 3042

Eurytomidae in 1076

Hypothenemus hampei in, on coffee 4987*Spodoptera frugiperda* in, on maize 4838**Guava** (*Psidium guajava*)*Aceria biopsidia* on 2325*Anastrepha bahiensis* on, in Trinidad 2667*Aonidiella orientalis* on, in Uttar Pradesh 1908*Aphis gossypii* on, in Tamil Nadu 582*Conotrachelus psidii* on
damage caused by 345
in Brazil 345*Dacus zonatus* on, in Pakistan 3227*Dialeuropora decempunctata* on, in Tamil Nadu 7330**Guava** *contd.**Euproctis fraterna* on

feeding preferences of 4653

in Punjab 4653

juvenile-hormone activity of extracts of 4064

pests of, in Bangladesh 4180

Pinnaspis aspidistrae on, in Colombia 5532*Platyepplus aprobola* on, in Tamil Nadu 7330*Selenothrips rubrocinctus* on

effects on amino acids of 2676

in Kerala 2676

Streblote siva on, in West Bengal 2035*Strepsicrates routhia* on 2034*Trogoptera callinica* on, in Brazil 5243*Vitellus insularis* on, in Fiji 583**guildini**, *Psiloptera***guildinii**, *Piezodorus*Guillemot (see *Uria aalge*)

Guinea, Curculionidae in, in kola nuts 941

Guinea corn (see Sorghum)

Guinea-pig (*Cavia cobaya*)

diazinon in, metabolism of 5202

paraoxon in, metabolism of 3330

parathion in, metabolism of 3330

gularis, *Paralipsa*Gulf of Mexico, *Heliothis zea* in 2504Gull, blackheaded (see *Larus ridibundus*)L-Gulonic acid, γ -lactone, in *Diatraea grandiosella* diet, not substituting for ascorbic acid 4652

Gum arabic, with fenthion, against,

Paranthrene tabaniformis, on *Populus* 6219Gur, *Tribolium castaneum* in, in Haryana 2181**Gurawa**, on *Cenchrus ciliaris*, in Rajasthan 6595**gurneyi**, *Coccophagus*

Gusathion (see Azinphos-methyl)

Gusathion MS (see Azinphos-methyl, with demeton-S-methyl sulphone)

gusztavi, *Homoporus***gutta**, *Plusia* (see *Macdunnoughia confusa*)**guttata**, *Parnara***guttatopustulata**, *Henosepilachna***guttiventris**, *Plebeiogryllus***guttulata**, *Yanga***guttulatus**, *Blaniulus***guttulosa**, *Austracris***Guyana***Diatraea centrella* in, natural enemies of 253*Drosophila melanogaster* in 2455*Eugaurax setigena* in, on *Eichhornia crassipes* 2756**Gymnoprosope argentifrons**

in USA 153

parasitising, *Bothynus gibbosus*, in Texas 153

- Gymnoscelis pumilata* (see *G. rufifasciata*)
Gymnoscelis rufifasciata
 in Egypt 4836
 on maize, in Egypt 4836
 seasonal abundance of 4836
- Gymnosoma sylvaticum*
 in USSR 1872
 parasitising, *Dolycoris baccarum*, in USSR 1872
- Gynaikothrips ficorum*, in Peru 676
- Gynostemma pentaphyllum*, *Anadevidia peponis* on, feeding deterrent to 6150
- Gynura sarmetosa*
Phenacoccus solani on, in Florida 410
Pseudococcus longispinus on, in Florida 410
- Gypsonoma aceriana*
 biology of 5696
 control of, insecticides for 5696
 in East Germany 5696
 on *Populus*
 damage caused by 5696
 in East Germany 5696
- Gypsonoma haimbachiana*
 in USA 5013
 on *Populus deltoides*, in Texas 5013
 seasonal abundance of 5013
- Gypsonoma hapalosarca* (see *Eucosma*)
- Gypsonoma oppressana*
 biology of 5696
 in East Germany 5696
 on *Populus*, in East Germany 5696
- Gypsonoma sociana*
 biology of 5696
 in East Germany 5696
 on *Populus*, in East Germany 5696
- gypsophilae*, *Chrysomela*
- Habrobracon* (see *Bracon*)
- Habrobracon hebetor* (see *Bracon*)
- Habrobracon juglandis* (see *Bracon hebetor*)
- Habrobracon nigricans* (see *Bracon*)
- Habrochila laeta*
 biology of 3733
 descriptions of 3733
 in India 3733
 on *Barleria cristata*, in Tamil Nadu 3733
- Haerocytus*
 parasitising
Meligaethes schilskyi, in Uzbekistan 7212
Yponomeuta rorellus, in Ukraine 6818
- Haerocytus aureolus*
 in West Germany 1925
 parasitising, *Hoplocampoides xylostei*, in West Germany 1925
- Haerocytus bedeguaris*
 in USSR 7209
 parasitising, *Diplolepis mayri*, in USSR 7209
- Haerocytus chrysos*
 in West Germany 3055
- Haerocytus chrysos* contd.
 parasitising, *Megastigmus spermatrophus*, in West Germany 3055
- Haerocytus lixi*
 in Italy 1979
 parasitising
Agapanthia villosoviridescens, in Italy 1979
A. violacea, in Italy 1979
- Haerolepis pasquorum*
 in Egypt 5111
 parasitising, *Chrysomphalus aonidum*, in Egypt 5111
- Haerolepis rouxi*
 in South Africa 5956
 parasitising, *Aonidiella aurantii*, in South Africa 5956
- Haeryllia cosmata*
 in Brazil 1884
 parasitising, *Chrysopa* spp., in Brazil 1884
- Hackberry* (see *Celtis occidentalis*)
- Hadena illoba*
 in USSR 1872
 on soy bean, in USSR 1872
 parasitised by
Blepharigena erythroceras, in USSR 1872
Phryxe vulgaris, in USSR 1872
- Hadena sordida*
 control of
 cultural measures for 7236
 disking for 1346
 insecticides for 1346, 3854
 granulosis virus in, and biological control using, in Kazakhstan 3855
 in USSR 1346, 3854-3855, 7236, 7239
 natural enemies of, in USSR 3854
 on *Agropyron repens*, in Kazakhstan 1346
 on grain crops, in Kazakhstan 1346
 on wheat
 damage caused by 7239
 effects of deep ploughing on 7236
 in Kazakhstan 7236, 7239
- Hadrobregmus pertinax*
 in Poland 5713
 in wood, in Poland 5713
- Haedus vicarius*
 in Thailand 1200
 on *Urena lobata*, in Thailand 1200
- haemorrhoidalis*, *Athous*
haemorrhoidalis, *Catantops*
haemorrhoidalis, *Dermestes*
haemorrhoidalis, *Heliethrips*
haimbachiana, *Gypsonoma*
hainesi, *Baicaliotermes*
- Haiti**
Calisto spp. in 7224
Lissorhoptrus isthmicus in, on rice 5981
haitiensis, *Tetrastichus*
halensis, *Dolichus*

- Haliaeetus leucocephalus***
insecticides in, residues of 6410
thallium in, residues of 6410
- Haliaspis***, descriptions of 2366
- Halisidota caryae***, nuclear polyhedrosis virus
in, infectivity of 960, 6333
- halli*, *Goniophthalmus***
- Halogeton glomeratus*, *Coleophora***
parthenica in 2758
- halophila*, *Blaps***
- Halotydeus destructor***
control of, acaricides for 4879
in Australia 4879
- halterata*, *Megaselia***
- Haltichella rhyacioniae***
in USA 4393
parasitising, *Rhyacionia frustrana*, in
Missouri 4393
- Halticinae**
broad bean stain virus in, transmission of
4295
food-plants of 6429
in USSR 6429
in sugar-beet fields, effects of aphicides on
6165
- Halticoptera***
in Sweden 3365
keys to 3365
parasitising, *Liriomyza congesta*, in Egypt
4777
- Halticoptera circulus***
in USA 4924
parasitising, *Liriomyza trifolii*, in Florida
4924
- Halticopterina***
in Sweden 3365
keys to 3365
- hamata*, *Dicranotropis***
- hamatus*, *Oxyphilus***
- Hampea*, *Anthonomus grandis*** on, in North
America 1331
- Hampea rovirosae*, *Anthonomus grandis*** on,
in Mexico 1331
- hampei*, *Hypothenemus***
- Hamster**
DDT in, metabolism of 1690
paraoxon in, metabolism of 3330
parathion in, metabolism of 3330
- Hansenua holstii***, in, *Scolytus rugulosus*, in
France 321
- Hapalia machaeralis*** (see *Pyrausta*)
- hapalosarca*, *Eucosma*, (*Gypsonoma*)**
- Haploxius crudus***
coconut lethal yellowing disease, causal
agent in 6087
in USA 6087
on coconut, in Florida 6087
- Haplodiplosis equestris*** (see *H. marginata*)
- Haplodiplosis marginata***
biology of 4253
control of
crop management for 4253
- Haplodiplosis marginata* contd.**
control of *contd.*
insecticides for 1942, 4253
distribution of 4253
in Bulgaria 1942
life history of 1942
on grain crops, damage caused by 4253
on wheat, in Bulgaria 1942
- Haplogonatopus atratus***
in South Korea 2188
parasitising, *Laodelphax striatella*, in
South Korea 2188
- Haplothrips***, in Crimea 1
- Haplothrips acanthoscelis***
in Bulgaria 1333
on *Centaurea jacea*, in Bulgaria 1333
on maize, in Bulgaria 1333
- Haplothrips aculeatus***
in Poland 3568
on Cruciferae, in Poland 3568
- Haplothrips angusticornis***
in Bulgaria 1333
on *Aster junceus*, in Bulgaria 1333
on *Matricaria inodora*, in Bulgaria 1333
- Haplothrips ganglbaueri***, in India 7028
- Haplothrips gowdeyi***
in India 4715
on *Gaillardia*, in Himachal Pradesh 4715
- Haplothrips mali*** (see *Leptothrips*)
- Haplothrips reuteri***
in Bulgaria 1333
on *Aster junceus*, in Bulgaria 1333
on *Centaurea jacea*, in Bulgaria 1333
on *Chrysanthemum cinerariaefolium*, in
Bulgaria 1333
on *Inula helenium*, in Bulgaria 1333
- Haplothrips setiger***
in Bulgaria 1333
on *Aster junceus*, in Bulgaria 1333
on *Chrysanthemum cinerariaefolium*, in
Bulgaria 1333
on *Inula helenium*, in Bulgaria 1333
- Haplothrips tritici* Kurd.**
control of
insecticides for 7237
timing of treatments for 7237
development in 1348
in Bulgaria 7237
in Romania 1348, 6917
on wheat
effects of fertilizers on 6917
in Bulgaria 7237
in Romania 1348, 6917
- Hapsidolema lichensis*** (see also *Oulema
lichensis*)
on grain crops 6656
taxonomy of 6656
- Haptonchus luteolus***
in USA 5554
on nectarine, in California 5554
on peach, in California 5554

Haptonchus luteolus contd.

Sclerotinia fructicola in
in California 5554
transmission of 5554

Haptoncus, in stored maize, in USA 1846

harcyniae, Pissodes

Hardyopsis, taxonomy of, synonym of
Eohardya 546

Hare, pesticides in, toxicity of 2293

hargreavesi, Phenacoccus

Harmalol (see 3-*H*-Pyrido[3,4-*b*]indol-7-ol,
4,9-dihydro-1-methyl-)

Harman (see 9-*H*-Pyrido[3,4-*b*]indole, 1-
methyl-)

Harmine (see 9-*H*-Pyrido[3,4-*b*]indole, 7-
methoxy-1-methyl-)

Harmol (see 9-*H*-Pyrido[3,4-*b*]indol-7-ol, 1-
methyl-)

Harmonia axyridis

development in, effects of prey on 1285
food preferences of 787

preying on

Acanthocoris sordidus 3689

Acyrtosiphon magnoliae 787

aphids 1285

Aphis craccivora 787

Rhopalosiphum padi 787

sex ratio in, abnormal 5365

Harmonides dispar

biology of 5652

in Colombia 5652

on cacao

damage caused by 5652

in Colombia 5652

haroldi, Microterys

Harpactorinae, life-cycle of 1734

Harpalus affinis

biology of 295

in Canada 295

in West Germany 6007

in hay fields, in Nova Scotia 295

Harpalus indigens

in USA 2705

in relict grassland, in Iowa 2705

Harpalus pubescens (see *H. rufipes*)**Harpalus rufipes**

biology of 295

control of, diversionary feeding for 5541

in Canada 295

in Poland 1602

in UK 799, 802, 4347, 4772, 6631

in West Germany 5541, 6007

in grain fields, in England 4772

in hay fields, in Nova Scotia 295

in sugar-beet fields, in UK 4347

insecticides in, toxicity of 802, 1602

on strawberry, in West Germany 5541

parasitised by, *Microctonus caudatus*, in
England 6631

preying on

aphids, in England 799

Coleoptera, in England 4772

Harpalus rufipes contd.

traps for 802

Harpalus tridens

in Japan 1358

on barley 1358

on rice, in Japan 1358

on wheat 1358

Harpephyllum caffrum, Dacus dorsalis on,

in California 2667

harpyia, Eucheyletia**harrisii, Chrysopa****hartigiana, Cymolomia****harveyi, Bessa****hassanicus, Acanthococcus****hastiana, Acleris****hastiana, Chorinaeus****Hauptmannia brevicollis**

in Sweden 1943

preying on

Javesella pellucida, in Sweden 1943

thrips, in Sweden 1943

Hawaii

Aleurocanthus spiniferus in, on rose
2667

Ceratitis capitata in 2568, 3506, 5130

Chaetanaphothrips orchidii in, on

Anthurium 4596

C. signipennis in, on *Anthurium* 4596

Coccus viridis in

natural enemies of 4386

on *Plumeria robusta* 4386

Dacus cucurbitae in 2568, 4507, 5130

D. dorsalis in 2568, 4508

natural enemies of 1241

Danaus plexippus in

natural enemies of 4215, 4993

on *Calotropis gigantea* 4993

Danothrips trifasciatus in, on *Anthurium*
4596

Drosophila anomalipes in 2704

D. neopicta in 4682

D. quasianomalipes in 2704

Dysmicoccus brevipes in 853

D. neobrevipes in 853

Emex australis in, *Apion antiquum* for
biological control of 4241

Forficula auricularia in 7143

Hedylepta blackburni in, on coconut
1987

Lixophaga sphenophori in, on *Euphorbia*
4781

Ophiomyia phaseoli in

on *Phaseolus vulgaris* 6156

on *Vigna unguiculata* 6156

Rhabdoscelus obscurus in

natural enemies of 4781

on sugar-cane 4781

wildlife in, mirex residues in 7665

hawaiiensis, Thrips**Hawthorn** (see *Crataegus*)**Hay**

BHC in, residues of 3315

Subject Index

Hay contd.

- DDT in, residues of 5212
- dieldrin in, residues of 5212
- insecticides in, residues of 7663

Hay fields, Carabidae in, in Nova Scotia 295

haywardi, *Campoplex***Hazel** (*Corylus avellana*)

- Ceresa bubalus* on, in Italy 1383–1384
- Coleophora serratella* on, in Europe 5011

- Curculio nucum* on
- in Poland 1405
- in Turkey 6714, 7565

Dictyoploca japonica on, in Maritime Territory 7431

Eriophyidae on, in USSR 6096

Ledra aurita on, in Italy 1384

Molorchus minor on

- damage caused by 5536
- in Armenia 5536

Obera linearis on, in Italy 3646

Palomena prasina on, in Turkey 6714

Pantilius tunicatus on

- damage caused by 2007
- in Italy 2007

Phalera bucephala on

- damage caused by 6734
- in East Germany 6734

Phytoptus avellanae on, in Italy 1412, 7301

Tettigella viridis on, in Italy 1384

HCS-3260 (see Chlordane)

Heather, white, *Saissetia oleae* on, in France 2722

hebe, *Balclutha***hebes**, *Mogannia***hebes**, *Spallanzania***hebetor**, *Bracon*

(*Habrobracon*)

(*Microbracon*)

hebraeus, *Polistes* (see *P. olivaceus*)**hecabe**, *Eurema*, (*Terias*)

hecalini, in Ethiopian region 2352

Hecyra obscurator

- descriptions of 2076
- in Central African Republic 2076
- on cassava, in Central African Republic 2076

Hedera helix, *Mycetaspis personata* on, development of 1381

hederae, *Aspidiotus***Hedya**

- on apple, in Switzerland 3626
- population dynamics of 3626

Hedya corni

- sp. n., description of 560
- in Japan 560
- on *Cornus kousa*, in Japan 560

Hedya nubiferana

- attractants for 1648
- in Hungary 2012, 4307
- in Netherlands 327

Hedya nubiferana contd.

- in Poland 4306
- in Switzerland 1648
- on apple
- in Hungary 2012, 4211, 4307
- in Netherlands 327
- in Poland 4306
- on cherry, in Poland 4306
- on *Crataegus oxyacantha*, in Hungary 4211
- on medlar, in Hungary 4307
- on pear
- in Hungary 4211, 4307
- in Poland 4306
- on quince, in Hungary 4211, 4307
- parasites of, in Hungary 4211
- parasitised by
- Apanteles xanthostigmus*, in Netherlands 327
- Macrocentrus pallipes*, in Hungary 2012

Hedya ochroleucana

- in Poland 406
- on rose, in Poland 406

Hedya walsinghami

- sp. n., description of 560
- in Japan 560
- on *Rosa hirtula*, in Japan 560
- on *Rosa multiflora*, in Japan 560

Hedylepta blackburni

- in USA (Hawaii) 1987
- on coconut, in Hawaii 1987
- parasitised by, *Cremastus flavoorbitalis*, in Hawaii 1987

Hedylepta indicata

- in Brazil 3675
- in Réunion 4801
- on *Desmodium intortum*, in Réunion 4801
- on *Dolichos*, in Brazil 3675
- on *Phaseolus*, in Brazil 3675
- on soy bean, in Brazil 3675
- on *Vigna*, in Brazil 3675
- parasitised by
- Brachymeria* spp., in Réunion 4801
- Pseudoperichaeta laevis*, in Réunion 4801
- Tetrastichus* spp., in Réunion 4801
- Trichospilus diatraeae*, in Réunion 4801

heegeri, *Acrosternum***heikertingeri**, *Chaetocnema***Heilipus unifasciatus**

- biology of 5652
- in Colombia 5652
- on cacao
- damage caused by 5652
- in Colombia 5652

Heilipus velamen

- in Brazil 1884
- on *Annona squamosa*, in Brazil 1884

***Helipus velamen* contd.**

parasitised by, *Agonocryptus* spp., in
Brazil 1884

heimi, Coptotermes

Hektavin (see Carbaryl)

Hekthane (see Dicofol)

HeLa cells

carbaryl in, effects of 2309

dieldrin in, effects of 2309

Helconini, body size in 182

helenae, Typhlodromus

Heliantheae, natural enemies of 1329

helianthi, Acanthiophilus

Helianthus annuus (see Sunflower)

Helianthus petiolaris, *Bothynus gibbosus* on,
in Texas 153

Helicella caperata, parasitised by,

Sarcophaga nigriventris, in England
7195

Helicella virgata, parasitised by, *Sarcophaga*
nigriventris, in England 7195

helichrysi, Brachycaudus***Helicosporidium***

in, *Amyelois transitella*, ultrastructure of
6337

taxonomy of 6337

Helicosporidium parasiticum, in, *Amyelois*
transitella, multiplication of 1577

***Helicoverpa* (see *Heliothis*)**

Helicoverpa armigera (see *Heliothis*)

Helicoverpa assulta (see *Heliothis*)

Helicoverpa zea (see *Heliothis*)

heliopa, Scrobipalpa***heliopae, Chelonus******Heliothis***

control of, insecticides for 690, 1049,
1986, 2092, 2989, 4374

emergence in, relation of lunar phase and
4364

in Peru 156

***Nomuraea rileyi* in**

in Arkansas 2736

in South Carolina 3512, 3822

nuclear polyhedrosis virus in

formulations of 7521

heat and sunlight sensitivity of 5074

on cotton

effects of insecticides on 3712

in Arkansas 2736

in Egypt 4364

in Georgia (USA) 2989

in Mexico 385, 1164, 3699

in Rhodesia 1049

in Texas 4374

in Venezuela 2091–2092

in Western Australia 7522

on lucerne

in Bulgaria 1986

in Chile 690

on maize, in Mexico 1164

on *Phaseolus*, in Colombia 3540

***Heliothis* contd.**

on soy bean

in Colombia 3540

in South Carolina 3822

on sunflower, in Western Australia 6791

on *Trifolium pratense*, in Chile 690

on wild plants, in South Carolina 3512

oviposition in, relation of lunar phase and
4364

parasites of, in Rhodesia 1049

parasitised by

Campoletis spp., in South Carolina
3512

Cardiochiles nigriceps, in South
Carolina 3512

Eucelatoria spp., in Colombia 3540

Microplitis croceipes, in Arkansas
2736

Trichogramma spp., and biological
control using, in Mexico 385

T. pretiosum, and biological control
using, in Western Australia 7522

parasitism of, effects of cotton canopy
type on 2736

predators of, in Rhodesia 1049

preyed on by, *Chrysopa* spp., and
biological control using 971

seasonal abundance of 3699

traps for 1164

Heliothis armigera

activity in 2777

biology of 1931, 6194, 6777

control of 3219, 4981

antifeedants for 5218, 6424

Bacillus thuringiensis for 468, 3855,
3858, 6182, 6920

economic threshold for 2529

growth regulators for 7592

Heliothis nuclear polyhedrosis virus for
3858

insecticides for 389, 824, 1931, 2558,

3179, 3854, 3858, 4376, 4500–4501,

4503, 4955, 4982–4983, 5962, 6069,

6164, 6176, 6181–6182, 6770, 7282,

7507, 7511, 7518, 7614

Neoplectana carpocapsae for 4783

timing of measures for 5642

descriptions of 899

development in 1167

flight activity in 4018

granulosis virus in, isolation of 4158

in Australia 630, 3701, 6193–6194

in Botswana 468, 2777, 3858

in Bulgaria 1275, 2077

in Chad 4500, 4503

in Egypt 899, 4018, 4836, 7614

in France 548

in India 824, 888, 2978, 2983, 4277,

4955, 5337, 6069, 6164, 6176, 6683,

6770, 6777, 7282, 7360

in Iran 1931, 7518

in Ivory Coast 2558

***Heliothis armigera* contd.**

- in Malagasy Republic 2529
- in Malawi 389, 391, 4501, 4983, 7507
- in Morocco 7511
- in New Zealand 2271
- in Nigeria 4376
- in South Africa 5962
- in Swaziland 4981
- in Thailand 3176, 3178–3179
- in Uganda 1487
- in USSR 1167, 3854–3856, 5642, 6181–6182, 6920
- in Zambia 4982
- in forests, in New Zealand 2271
- insecticide resistance in, in New South Wales 3701
- migration in 2646
- natural enemies of, in USSR 3854
- nuclear polyhedrosis virus in 6330
 - and biological control using 3858
 - in Botswana 468
 - in Chad 4503
 - effects of 6339
 - in Botswana 3858
 - isolation of 4158
 - morphology of 1517
- on *Cajanus cajan*
 - damage caused by 7360
 - in Himachal Pradesh 7360
 - in India 6770
 - in Maharashtra 4955
 - in Tamil Nadu 6164
- on *Capsicum*, in Bulgaria 2077
- on *Cicer arietinum*, in Karnataka 2983
- on cotton
 - assessing infestations of 2529
 - damage caused by 5642
 - in Azerbaijan 6181
 - in Botswana 3858
 - in Chad 4500, 4503
 - in Egypt 899, 4018, 7614
 - in Gujarat 5337
 - in Iran 7518
 - in Ivory Coast 2558
 - in Malagasy Republic 2529
 - in Malawi 389, 391, 4501, 4983, 7507
 - in Morocco 7511
 - in New South Wales 3701
 - in Nigeria 4376
 - in Swaziland 4981
 - in Tadzhikistan 6920
 - in Thailand 3176, 3178–3179
 - in Turkmenia 5642
 - in Uganda 1487
 - in USSR 1167, 3856
 - in Uzbekistan 6182
 - in Zambia 4982
 - resistance to 1487
- on *Dolichos lablab*, rearing of 3495
- on groundnut, in Bulgaria 1275
- on maize
 - in Bulgaria 2077

***Heliothis armigera* contd.**

- on maize contd.
 - in Egypt 4836
 - in Iran 1931
 - in Karnataka 6683
 - in Tamil Nadu 824
- on *Phaseolus*, in South Africa 5962
- on *Phaseolus mungo*, in India 6770
- on *Pinus radiata* 1517
- on *Ricinus communis*, effects of plant growth regulators on 6424
- on safflower, in Karnataka 2983
- on sesame, in Tamil Nadu 888
- on sorghum
 - damage caused by 4277
 - in Botswana 468, 2777, 3858
 - in Madhya Pradesh 4277
 - in Uttar Pradesh 6069
- on *Sorghum halepense*, in Iran 1931
- on soy bean
 - damage caused by 6777
 - in India 6777
 - in Iran 1931
- on tobacco
 - in Bulgaria 1275, 2077
 - in Queensland 6193–6194
- on tomato
 - in Bulgaria 1275, 2077
 - in Maharashtra 6176
 - rearing of 3495
- on *Trifolium*, in Iran 1931
- on *Trifolium alexandrinum*
 - damage caused by 7282
 - in Punjab 7282
- oviposition in 391, 630, 5337
- parasites of
 - effects of *Bacillus thuringiensis* on 6920
 - effects of insecticides on 3858
 - in Malawi 4983
- parasitised by
 - Apanteles* spp., in Bulgaria 1275
 - A. kazak*, in Bulgaria 1275
 - Brachymeria secundaria*, in Bulgaria 1275
 - Bracon hebetor*, and biological control using, in USSR 3854
 - Campoletis sonorensis*, and biological control using 3178
 - Campoplex xanthostomus*, in Bulgaria 1275
 - Cardiophiles nigriceps*, and biological control using 3178
 - Compsilura concinnata*, in France 548
 - Microplitis croceipes*, and biological control using 3178
 - Tachinidae, in Thailand 3176
 - Trichogramma* spp., and biological control using, in Bulgaria 2077
- phosphorus compounds in, effects of photoperiod on accumulation of 7090

***Heliothis armigera* contd.**

- predators of
 - effects of *Bacillus thuringiensis* on 6920
 - effects of insecticides on 3858
 - in Thailand 3176
- preyed on by
 - Chrysopa carnea*, and biological control using, in USSR 3854
 - Chrysopidae, in Tadzhikistan 6920
 - Coccinellidae, in Tadzhikistan 6920
- preying on, *Achaea janata*, in Andhra Pradesh 2978
- rearing of, diets for 3495
- reproduction in, effects of growth regulators on 7650
- seasonal abundance of 4836
- taxonomy of 899
- traps for 630, 1224, 2777

Heliothis armigera conferta

- descriptions of 3691
- in New Zealand 3691
- on ornamental plants, in New Zealand 3691
- on *Pinus*, in New Zealand 3691
- on tomato, in New Zealand 3691

Heliothis assulta

- eyes in, effects of UV on 6499
- in South Korea 4354
- on *Capsicum*, in South Korea 4354
- parasitised by, *Trichogramma* spp., in South Korea 4354
- seasonal abundance of 4354
- traps for 4354

Heliothis assulta assulta

- on *Capsicum* 5636
- oviposition in 5636

Heliothis grandis*, control of, insecticides for 997**Heliothis nubigera*, taxonomy of 899*****Heliothis nuclear polyhedrosis virus* (see also *Baculovirus heliothis*) against**

- Heliothis armigera*
 - on cotton 3858, 4503
 - on sorghum 3858
- in
 - beneficial insects, pathogenicity of 5205
 - cotton, persistence of 387, 6330
 - soil, persistence of 6330
 - sorghum, persistence of 6330

Heliothis peltigera

- control of, insecticides for 224
- in Bulgaria 224
- in India 4819
- on *Acanthospermum hispidum*, in Gujarat 4819
- on mint, in Bulgaria 224
- parasites of, in Bulgaria 224
- taxonomy of 899

Heliothis punctigera

- biology of 6194
- in Australia 3701, 6193–6194
- on tobacco, in Queensland 6193–6194

Heliothis subflexa

- control of, insecticides for 783, 1475
- in Mexico 783, 1475
- on *Physalis*, in Mexico 783
- on *Physalis ixocarpa*
 - damage caused by 1475
 - in Mexico 1475
- parasitised by, *Trichogramma* spp., in Mexico 783

Heliothis virescens

- biology of 897
- chlorpyrifos in, metabolism and toxicity of 1036
- chlorpyrifos-methyl in, metabolism and toxicity of 1036
- control of
 - Bacillus thuringiensis* for 3853
 - growth regulators for 3876, 6937
 - insecticides for 535, 695, 707, 783, 897, 1475, 2990, 4373–4374, 4548, 5773, 6399, 6934
 - sterile-insect release for 644
 - traps for 695
- cytoplasmic polyhedrosis virus in
 - control of 2229
 - transmission of 2229
- development in 2566
- diapause in 648, 4263
- digestive system in 565
- dispersal of 644
- excretion in, effects of parasitism on 4795
- feeding behaviour in 2936
- hemolymph in, effects of parasites on sugars in 5468
- hyperparasitised by
 - Catolaccus aeneoviridis* 482
 - Spilochalcis side* 482
- in Chile 699
- in Mexico 783, 1475
- in Peru 695, 707
- in Puerto Rico 2943, 6794
- in USA 359, 776, 794–795, 897, 2415, 2497, 2990, 2996, 3257, 3698, 3706, 3709, 4263, 4373–4374, 4548, 4728, 6794
- in Virgin Islands 644, 2942, 4728
- insecticide resistance in
 - in Texas 4373
 - in USA 897
- insecticide susceptibility in, effects of gossypol on 6934
- larvipositional stimulant in, for *Archytas marmoratus* 784
- mating competitiveness in, effects of chemosterilants on 3262
- mating in 1226, 2497
 - effects of γ -irradiation on 5314

***Heliothis virescens* contd.**

- mating in *contd.*
 - effects of laboratory rearing on 6794
 - melanisation in, inhibitors of 3342
 - natural enemies of, in Texas 4373
- Nomuraea rileyi* in 3671
- pathogenicity of 7487
- nuclear polyhedrosis virus in
 - effects of β -ecdysone on 2232
 - infectivity of 6333
- on *Bastardia*, in Virgin Islands 2942
- on *Cajanus cajan*
 - in Antilles 3853
 - in Puerto Rico 2943
 - in Virgin Islands 2942
- on *Cicer arietinum*, in Peru 695, 707
- on cotton 768
 - assessing infestations of 2996
 - in Oklahoma 3706
 - in Texas 2990, 2996, 3698, 3709, 4373-4374, 4548, 6794
 - in USA 897
 - resistance to 897, 3709
- on *Dolichos lablab*, in Georgia (USA) 359
- on lucerne, in Chile 699
- on *Physalis*, in Mexico 783
- on *Physalis ixocarpa*
 - damage caused by 1475
 - in Mexico 1475
- on soy bean
 - damage caused by 2936
 - in Mississippi 3257
- on tobacco
 - damage caused by 3011
 - in North Carolina 794, 4263
- oviposition in 1226, 2943, 7393
- parasites of, kairomone stimulating host seeking in 5461
- parasitised by
 - Archytas marmoratus* 2479
 - Campoletis sonorensis* 198, 482
 - Cardiochiles nigriceps* 964, 4795, 5461, 5468
 - Chelonus texanus* 781
 - Microplitis croceipes* 5468
 - Nemorilla pyste*, in North Carolina 776
 - Trichogramma* spp.
 - and biological control using, in Peru 695
 - in Mexico 783
 - T. pretiosum*, and biological control using, in Texas 3698
 - Winthemia* spp., in North Carolina 776
 - W. rufopicta*, in North Carolina 794-795
- preyed on by
 - Chrysopa* spp., in Oklahoma 3706
 - C. carnea* 768
 - Hippodamia* spp., in Oklahoma 3706

***Heliothis virescens* contd.**

- preyed on by *contd.*
 - Nabis* spp., in Oklahoma 3706
 - Notoxus monodon*, in Oklahoma 3706
- pupae of, effects of γ -irradiation on 3248
- pupal development in 648
- rearing of
 - diets for 665
 - fungal contamination of media for 3282
- seasonal abundance of, in Virgin Islands 2942
- sex pheromone of 4048
 - identity of 4047
 - inhibitors of response to 2415
 - male pheromone suppressing emission of 2414
- sperm transfer in, effects of γ -irradiation on 5314
- sterilisation of
 - antimetabolites plus γ -irradiation for 74
 - chemosterilants for 3262, 5760
 - traps for 644, 4728
- Heliothis virespilaca***, control of, *Bacillus thuringiensis* for 3855
- Heliothis zea***
 - amino acids in, nutritional value of 1756
 - Baculovirus heliothis* in, effects of
 - solubilisation on activity of 3145
 - biology of 897, 1584, 4184, 6682
 - cell cultures from, media for 3817
 - control of 7243
 - baits for 2923
 - Beauveria bassiana* for 4472
 - insecticides for 703, 897, 2923, 2990, 3594, 4374, 4548, 4558, 4843, 5498
 - kairomones to attract parasites for 4505-4506
 - mating disruption for 5824
 - Metarhizium anisopliae* for 4472
 - sterile-insect release for 644, 1225, 4839
- development in, effects of temperature on 4134
- diapause in 4263
 - effects of *Nosema* infection on 3129
- dietary requirements of 1227
- digestive enzymes in 3404
- digestive system in 565
- dispersal of 644
- emergence in 5328
 - effects of acrylic latex compounds on 3389
 - effects of temperature on 6522
 - geographical and genetic variation in 6523
- eyes in 4009
- fecundity in, effects of *Nosema* infection on 3129
- feeding behaviour in 795, 2936
- flight activity in 4700

***Heliothis zea* contd.**

- flight activity in *contd.*
- effects on lipids of 100
- food-plants of 3714
- haemolymph in, medium component for rearing of parasites 135, 1223
- hyperparasitised by
 - Catolaccus aeneoviridis* 482
 - Spilochalcis side* 482
- illustrations of 6682
- in Brazil 281, 694, 4700
- in Canada 6682
- in Gulf of Mexico 2504
- in Mexico 703
- in USA 94, 110, 142, 359, 776, 794–795, 897–898, 997, 2415, 2923, 2935, 2990, 2996, 3257, 3574, 3671, 3678, 3698, 3706, 3709, 3714, 4260, 4263, 4374, 4476, 4548, 4558, 4728, 4843, 5328, 5498, 5843, 6682, 7243
- in Virgin Islands 644, 1225, 4728, 4839
- insecticide resistance in, in USA 897
- kairomones in 191
- α -keto acids in, nutritional value of 1756
- life-span in, effects of *Nosema* infection on 3129
- mating competitiveness in, in sterile adults 1225
- mating in, effects of *Nosema* infection on 3129
- Microsporidia in 948–949
- natural enemies of, in Arizona 3714
- Nomuraea rileyi* in
 - and biological control using, in North Carolina 3671
 - pathogenicity of 2234, 4472, 7487
- Nosema heliothidis* in, effects on reproduction and diapause of 3129
- N. necatrix* in, development of infection with 2222
- nuclear polyhedrosis virus in 387
 - detection of 4476
 - transmission of 1584
- on cotton 768
 - assessing infestations of 2996
 - damage caused by 898
 - distribution pattern of 3574
 - in Arizona 3714
 - in Arkansas 997
 - in California 898
 - in North Carolina 94
 - in Oklahoma 3574, 3706
 - in Texas 2990, 2996, 3698, 3709, 4374, 4548
 - in USA 897
 - resistance to 897, 3709
- on Cucurbitaceae, development of 4184
- on *Dolichos lablab*, in Georgia (USA) 359
- on groundnut
 - in Georgia (USA) 2923
 - in Oklahoma 3678

***Heliothis zea* contd.**

- on lucerne
 - distribution pattern of 3574
 - in Oklahoma 3574
- on *Lycopersicon hirsutum*, resistance to 7382
- on maize
 - assessing infestations of 281
 - damage caused by 6682
 - in Brazil 281
 - in Canada 6682
 - in Florida 4843, 5498
 - in Georgia (USA) 359, 4260
 - in Idaho 7243
 - in Mexico 703
 - in Missouri 5843
 - in New York 4558
 - in North Carolina 94, 795, 4263
 - models of 7243
 - resistance to, evaluation of 7242
- on *Phaseolus*, development of 4184
- on *Ricinus communis*, development of 4184
- on sorghum
 - distribution pattern of 3574
 - in Oklahoma 3574
- on soy bean
 - assessing infestations of 2935
 - damage caused by 2936
 - in Arkansas 997
 - in Georgia (USA) 2923
 - in Mississippi 3257
 - in North Carolina 94, 3671
 - in South Carolina 2935
- on tobacco, in North Carolina 94, 794–795, 4263
- on tomato 7382
 - damage caused by 6682
 - development of 4184
 - in Canada 6682
- overwintering in 5328
- oviposition in 94, 7243, 7393
- parasites of, in Oklahoma 3678
- parasitised by
 - Campoletis sonorensis* 482
 - Nemorilla pyste*, in North Carolina 776
 - Trichogramma* spp. 4505–4506
 - T. evanescens* 191
 - T. parkeri*, in Missouri 5843
 - T. pretiosum*, and biological control using, in Texas 3698
 - Winthemia* spp., in North Carolina 776
 - W. rufopicta*, in North Carolina 794–795
- parasitism of, effects of food-plant on 3574
- population dynamics of 110, 2564
- preyed on by
 - Chrysopa* spp., in Oklahoma 3706
 - C. carnea* 768

***Heliothis zea* contd.**

preyed on by *contd.*

Hippodamia spp., in Oklahoma 3706

Nabis spp., in Oklahoma 3706

Notoxus monodon, in Oklahoma 3706

rearing of

apparatus for 3492-3494

diets for 1227, 3408, 6577

techniques for 4727

sex pheromone of, inhibitors of response to 2415, 5824

sperm in, effects of γ -irradiation on 4839

sterilisation of, γ -irradiation for 4839

taxonomy of 899

traps for 110, 142, 644, 694, 2504, 4728

***Heliothis zea* auct. (see *H. armigera*)**

Heliothrips ceylonicus, taxonomy of, synonym of *H. haemorrhoidalis* 5827

Heliothrips haemorrhoidalis

in Bulgaria 3027

on ornamental plants, in Bulgaria 3027

taxonomy of, *Heliothrips ceylonicus* as synonym of 5827

Heliothrips (see DDT, with toxaphene)

Heliotropium europaeum, natural enemies of 1330

Heliozelidae

in Irish Republic 4594

in UK 4594

keys to 4594

Helix aspersa

in gardens, in California 4784

in nurseries, in California 4784

in orchards, in California 4784

preyed on by, *Staphylinus olens*, and biological control using, in California 4784

Hellula rogatalis

biology of 2915

in USA 2915

on crucifers, in North Carolina 2915

Hellula undalis

in India 857

on cabbage, in Rajasthan 857

seasonal abundance of, in Rajasthan 857

***helluo*, *Chryseria*, (*Clytiomya*)**

Helminthosporium nodulosum, in, *Eleusine coracana*, damage caused by 5509

Helopeltis antonii

control of, insecticides for 7298

descriptions of 7298

in India 7298

on cashew

damage caused by 7298

in India 7298

Helopeltis clavifer

in Papua New Guinea 3013

on cacao 1495

in Papua New Guinea 3013

rearing of, techniques for 1495

Helopeltis corbisieri

attraction of, to cacao 7400

***Helopeltis corbisieri* contd.**

in Cameroon 7400

on cacao, in Cameroon 7400

Helopeltis gerini

attraction of, to cacao 7400

in Cameroon 7400

on cacao, in Cameroon 7400

Helopeltis theivora theobromae

control of, insecticides for 4382

in Malaysia 4381-4382

life history of 4381

on cacao, in Malaya 4381-4382

population dynamics of 4381

Helophorus nubilus

biology of 7238

descriptions of 7238

in East Germany 7238

on wheat

damage caused by 7238

in East Germany 7238

helops*, *Ammalo***helvola*, *Tipula******helvolus*, *Metaphycus***

Hemel (*N,N,N',N',N'',N''*-hexamethyl-1,3,5-triazine-2,4,6-triamine)

adopted as common name in *RAE*, p. 7

in *Acheta domesticus*, effects of 4090

in *Ephestia kuehniella*

effects of 1792

effects on neurosecretion of 6497

sterilant for, *Ephestia kuehniella* 1792

Hemerobiidae

in Austria 4525

traps for 4525

Hemerobius ovalis

in USA 5528

preying on

Acyrtosiphon pisum, in California 5528

Therioaphis trifolii, in California 5528

Hemerobius pacificus

development in, effects of temperature on 1188

mortality in, effects of humidity on 1188

preying on, aphids 1188

Hemerocampa leucostigma

antennal humidity receptors in, not found 2432

control of, insecticide-pathogen mixtures for 3292

in Canada 4415

nuclear polyhedrosis virus in, and biological control using, in Nova Scotia 4415

on *Abies balsamea*, in Nova Scotia 4415

sex pheromone of 2408

Hemerocampa pseudotsugata

control of

Bacillus thuringiensis for 1521, 6819

insecticides for 1515, 7434

flight activity in 3075

in USA 1515, 1521, 3075, 7434

***Hemerocampa pseudotsugata* contd.**

- life-cycle of 1515
- mating in 3075
- nuclear polyhedrosis virus in, and biological control using, in Oregon 1521
- on *Abies grandis*, in Oregon 1521
- on *Pseudotsuga menziesii* in Oregon 1521
- in USA 1515
- oviposition in 3075
- sex pheromone of 2408, 4046
- traps for 3075

Hemerocampa pseudotsugata* × *H. leucostigma*, sex pheromone of 2408*Hemiaceridae, taxonomy of 1732*****Hemiberlesia lataniae***

- biology of 2024
- in Egypt 2024, 7283
- on fig, in Egypt 2024

Hemichyletia bakeri*, group of 1099**Hemichyletia reticulata***

- sp. nov., description of 1099
- in UK 1099
- in farms, in Scotland 1099

Hemichroa*, keys to 5227**Hemichroa amelanchieridis*, taxonomy of, synonym of *H. militaris* 5227*****Hemichroa australis***

- descriptions of 5227
- distribution of 5227
- on *Alnus* 5227
- on *Betula* 5227

Hemichroa crocea

- descriptions of 5227
- distribution of 5227
- on *Alnus* 5227
- on *Alnus rugosa* 910
- on *Betula* 5227
- on *Corylus* 5227
- on *Salix* 5227
- taxonomy of, *Hemichroa orientalis* as synonym of 5227
- Thelohania pristiphorae* in, infectivity of 910

Hemichroa militaris

- descriptions of 5227
- distribution of 5227
- on *Amelanchier* 5227
- on *Crataegus* 5227
- on *Prunus* 5227
- taxonomy of
- Hemichroa amelanchieridis* as synonym of 5227
- H. thoracicus* as synonym of 5227

Hemichroa orientalis*, taxonomy of, synonym of *H. crocea* 5227**Hemichroa paramushirensis***

- descriptions of 5227
- distribution of 5227
- on *Alnus* 5227

Hemichroa thoracicus*, taxonomy of, synonym of *H. militaris* 5227**Hemicrisis ruficornis* (see *Phaenoglyphis*)*****hemiphrusus*, *Physokermes******Hemileia vastatrix*, in, coffee, in South**

Africa 3018

hemileiae*, *Mycodiplosis***Hemiptarsenus zilahisebessi***

- in Egypt 4777
- parasitising, *Liriomyza congesta*, in Egypt 4777

Hemiptera

- cell lines of, culture medium for 1831
- chromosomes in 6515
- control of, insecticides for 2657, 7608
- eggs of 3379
- in USSR 7204
- in milk-powder factories, in Japan 7447
- in rice-fields, in Tokushima Prefecture 1354–1355
- in wheat fields, effects of fertilizers on 6917
- insecticides in, effects of 5806
- on Cruciferae, in Poland 2039
- on grapevine, damage caused by 7481
- on shrubs, in USA 5687
- on sugar-cane, in Bahamas 7222
- on tea 6801
- parasitised by, Hymenoptera 1834
- preyed on by
- Achaearanea tepidariorum*, in Nagasaki Prefecture 2718
- Pardosa ramulosa*, in California 1293
- Syrphidae, in Kenya 1897
- preying on
- Acyrtosiphon pisum*, in California 5528
- Kakothrips pisivorus*, in Mordovian Republic 6157
- Therioaphis trifolii*, in California 5528
- sclerites in, stiffness and tanning of 3402
- hemipterus, *Carpophilus***
- hemipterus, *Metamasius***
- Hemitarsonemus latus* (see *Polyphagotarsonemus*)**
- Hemiteles**
- parasitising
- Episyrphus balteatus*, in Poland 1352
- Yponomeuta rorellus*, in Ukraine 6818
- Hemiteles areator* (see *Gelis*)**
- Hemlock, eastern (see *Tsuga canadensis*)**
- Hemlock, western (see *Tsuga heterophylla*)**
- Hemoglobins, binding of triphenyltin to 2399**
- Hemp (*Cannabis sativa*)**
- Cydia delineaana* on, in USSR 7397
- C. sinana* on
- damage caused by 5649
- in Yugoslavia 5649
- Hemp, Deccan (see Kenaf)**
- Hemp extract, against, *Tetranychus urticae* 4185**

- Hemp seeds**, culture-medium component for, insecticidal fungi 227
- Hemp, sunn** (see *Crotalaria juncea*)
- Hempa** (hexamethylphosphoric triamide) chemosterilant for, *Trogoderma granarium* 1156
- in *Dysdercus koenigii*, effects on development of 3239
- in *Papilio protenor*, toxicity of 1794
- in *Papilio xuthus*, toxicity of 1794
- in *Trogoderma granarium*, effects on spermatogenesis of 610
- sterilant for
- Anthonomus grandis* 1795
- Aphis fabae* 5320
- Callosobruchus chinensis* 1155, 3436
- Corcyra cephalonica* 6861
- Dacus tryoni* 6519
- Drosophila melanogaster* 1155
- Laodelphax striatella* 3436
- Musca domestica* 1155
- Nephotettix cincticeps* 3436
- Rhynchophorus ferrugineus* 3233
- with busulfan, sterilant for, *Anthonomus grandis* 617
- Hempol** (see Phosphoric triamide, (hydroxymethyl)pentamethyl-)
- Henbane mosaic virus**
- in
- Datura stramonium*
- in Bulgaria 4454
- symptoms of 4454
- Myzus persicae*, transmission of 4454
- 6-Heneicosen-11-one**
- (E)-, attractant for, *Hemerocampa pseudotsugata* 4046
- (Z)-, *Hemerocampa pseudotsugata* sex pheromone 4046
- Henosepilachna guttatopustulata**
- control of, insecticides for 225
- in Australia 225
- on *Duboisia leichardtia*, in Queensland 225
- on *Duboisia myoporoides*, in Queensland 225
- parasitised by
- Pediobius* spp., in Queensland 225
- Uga colliscutella*, in Queensland 225
- preyed on by, *Micraspis frenata*, in Queensland 225
- Henosepilachna vigintioctomaculata** (see also *Epilachna vigintioctomaculata*)
- in Japan 5481
- on potato, in Japan 5481
- on *Schizopepon bryoniaefolius*, in Japan 5481
- Henosepilachna vigintioctopunctata**
- biology of 2966
- control of
- antifeedants for 1711-1712
- insecticides for 4552
- Neoplectana carpocapsae* for 4783
- Henosepilachna vigintioctopunctata contd.**
- food-plants of 1299
- in Australia 2966
- in India 1299
- on cucurbits 1297
- on eggplant 6180
- on *Momordica charantia* 1712
- on potato, in Queensland 2966
- parasitised by
- Chrysocharis johnsoni* 1297
- Uga menoni*, in India 1299
- HEOD** (see Dieldrin)
- heparana, Pandemis**
- Hepialidae**
- control of
- Bacillus thuringiensis* for 4881
- insecticides for 4881
- in Irish Republic 4594
- in UK 4594
- in pastures, in Chile 4881
- keys to 4594
- predators of, in Argentina 774
- Heptachlor** (1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methano-1H-indene)
- against
- Achaea janata*, on *Ricinus communis* 885
- Aeneolamia varia*, on sugar-cane 1935
- Agriotes* spp. 152, 2281
- Agrotis* spp., on potato 3687
- A. ipsilon*, on potato 2965
- A. segetum*, on potato 2965
- Amnemos quadrituberculatus*, on pasture legumes 6704
- Anisoplia* spp.
- on grain crops 7226
- on wheat 3316
- Archiboreoiulus pallidus*, on sugar-beet 2660
- Atta opaciceps* 4766, 4768
- Blaniulus guttulatus*, on sugar-beet 2660
- Boreoiulus tenuis*, on sugar-beet 2660
- Bothynoderes punctiventris*, on beet 7365
- Dichocrocis punctiferalis*, on *Ricinus communis* 885
- Elateridae, on potato 7377
- Hypera brunneipennis*, on lucerne 306
- H. postica*, on lucerne 306
- Melolontha melolontha* 2281
- Noctuidae 152
- Oscinella frit* 7230
- pests of beet 2947
- pests of maize 2792
- pests of sugar-beet 1605
- pests of sugar-cane 7225
- Psalidium maxillosum*, on beet 7365
- Spodoptera litura*, on *Ricinus communis* 885
- termites, on conifers 3560

Heptachlor contd.

against contd.

Thrips tabaci, on cotton 893*Zabrus* spp.

on grain crops 7226

on wheat 3316

formulations of, carriers for 3877

in aquatic animals, residues of 6981

in *Folsomia candida*, toxicity of 3304

in food chains, fate of 4537

in green algae, metabolism of 5778

in *Hypogastrura armata*, toxicity of 3304

in milk, residues of 3315

in *Nomuraea rileyi*, toxicity of 3823in *Onychiurus folsomi*, toxicity of 3304in *Picea abies*, persistence of 1526in *Pterostichus melanarius*, toxicity of 1054

in sheep, metabolism of 4537

in soil, degradation of 4574

in soy bean, inhibiting phorate

sulfoxidation 3920

in wheat, toxicity of 3316

resistance to, in

Cosmopolites sordidus, in Ecuador 684*Popillia japonica*, in New York 4290

use of, in Turkey, restrictions on 2965

with endosulfan, against, *Haplodiplosis marginata*, on wheat 1942

with fertilizers 6704

with methyl-parathion, against,

Haplodiplosis marginata, on wheat 1942with thiram, against, *Tanymecus**dilaticollis*, on maize 1350**Heptachlor epoxide (2,3,4,5,6,7,7-**

heptachloro-1a, 1b, 5a, 6, 6a-hexahydro-2,5-methano-2H-indeno[1,2-b]oxirene)

in *Anas platyrhynchos*, residues of 2301in *Anas rubripes*, residues of 2301

in aquatic animals, residues of 6981

in *Aquila chrysaetus*, residues of 3324

in beet, residues of 3315

in food chains, fate of 4537

in green algae, heptachlor metabolite 5778

in man, residues of 3320

in milk, residues of 3315

in *Philohela minor*, residues of 3323

in rivers, residues of 6981

in soil

heptachlor product 4574

residues of 5146

in *Sturnus vulgaris*, residues of 6402in *Zenaidura macroura*, residues of 2304**Heptacosane**in *Solenopsis invicta* cuticle 4200in *Solenopsis richteri* cuticle 4200**Heptacosane, 3-methyl-**in *Solenopsis invicta* cuticle 4200in *Solenopsis richteri* cuticle 4200**Heptadecadiene**, in *Tribolium confusum* sex pheromone 1777**1-Heptadecene**, in *Tribolium confusum* sex pheromone 1777**Heptane**, repellent for, *Monochamus alternatus* 1073**Heptanoic acid**, in *Lasius fuliginosus* trail pheromone 2690**1-Heptanol**, in *Dendroctonus*, production of 925**2-Heptanol**in *Dendroctonus*, production of 925

(+) -

in *Atta cephalotes* 748in *Atta texana* 748**3-Heptanol**in *Atta cephalotes* 748in *Atta texana* 748**3-Heptanol, 4-methyl-**with α -cubebene, and 5-ethyl-2,4-dimethyl-6,8-dioxabicyclo[3.2.1]octane, attractant for, *Scolytus multistriatus* 2132, 3736, 4632

(R) -

in *Atta cephalotes* 748in *Atta texana* 748

(S) -

in *Atta cephalotes* 748in *Atta texana* 748**2-Heptanone**in *Atta cephalotes* 748in *Atta texana* 748**3-Heptanone, 4-methyl-**

(S) -

Atta cephalotes alarm pheromone 748*A. texana* alarm pheromone 748*Pogonomyrmex barbatus* alarm pheromone 1776**5-Hepten-1-ol, 2,6-dimethyl-**, in *Camponotus clarithorax* mandibular-gland secretion 3530**5-Hepten-2-ol, 6-methyl-**, *Gnathotrichus sulcatus* aggregation pheromone 61**Heptenophos (7-chlorobicyclo[3.2.0]hepta-2,6-dien-6-yl dimethyl phosphate)** against

Acari 7610

aphids 7610

Coleoptera 7610

Diptera 7610

ectoparasites 7611

Pieris brassicae 7610**Heptophylla picea***Beauveria tenella* in, infectivity of 4469control of, *Beauveria bassiana* for 4469**heraclei, Trioxy****heraclella, Aphid****Herbaceous plants**, aphids on, rearing of 4177**Herbal drugs (see Medicinal plants (dried)) herbaria, Amblyseius**

Herbicides

- in model ecosystems, ecological effects of 7642
- research on 6950
- side-effects of 1604

Herbivores, environmental catastrophes and genetic feedback in 4708**Hercothrips fasciatus** (see *Caliothrips*)**herculeanus**, *Camponotus***Hercules 14503** (see *Dialifos*)**hercyniae**, *Gilpinia***herfsi**, *Pyemotes***herilla**, *Trachys***heringiana**, *Phytomyza***Hermetia illucens**

- biology of 2032
- control of 2032
- in Panama 2032
- on banana
 - damage caused by 2032
 - in Panama 2032
- preyed on by
 - Columba cayenensis*, in Panama 2032
 - Hirundo rustica*, in Panama 2032
 - Hololepta* spp., in Panama 2032

heros, *Euschistus***Herpestomus brunnicornis**

- in Romania 7421
- parasitising, *Yponomeuta rorellus*, in Romania 7421

Herpetogramma bipunctalis (see *Psara*)**Herpetogramma licaresalis**

- in Hong Kong 2809
- on rice, in Hong Kong 2809

Herpetogramma phaeopteralis

- control of, insecticides for 2822
- in USA 2822
- on *Cynodon dactylon*, in Florida 2822

Herpetomonas swainei, in, *Neodiprion swainei*, effects of 416**Herring**, Atlantic (see *Clupea harengus*)**Herring**, freshwater (see *Potamalosa richmondia*)**Herse convolvuli** (see *Agrius*)**hesperia**, *Colaspis***hesperialis**, *Dudua***hesperidum**, *Amitus***hesperidum**, *Coccus***Hesperis matronalis**, *Hylemya brassicae* on, development of 3565**hesperus**, *Lygus***Heterarthrinae**, in Romania 2631**Heterobostrychus**, in timber, imported into USSR 6319**Heterocampa manteo**

- head-capsule width in
 - effects of parasitism on 3555
 - for distinguishing instars 3555
- parasitised by, *Diradops bethunei* 3555

Heterocera

- in Japan 670
- preyed on by, *Syrphidae*, in Kenya 1897

Heterocera *contd.*

- traps for 670

Heterococcus rehi (see *Brevinnia*)**Heterocordylus malinus**

- biology of 2014
- in USA 2014
- on apple, in USA 2014

Heteronychus arator

- control of, insecticides for 3196, 6958
- in Australia 6958
- in New Zealand 2268, 3134, 3196
- in pastures
 - damage caused by 2268
 - in New Zealand 2268, 3134, 3196
- pathogens of, in New Zealand 3134

Heteronychus basilewskyi

- in Tanzania 4287
- in pastures, in Kenya 4287

Heteropeza pygmaea

- biology of 809
- control of, insecticides for 2740
- development in, effects of food on 4615
- in Taiwan 809
- on *Actinomyces*, development of 809
- on *Agaricus bisporus*, in Taiwan 809
- on *Humicola*, development of 809
- on mushroom 2740
- preyed on by
 - Cecidomyiidae*, in Taiwan 809
 - mites, in Taiwan 809
- sex-ratio in, effects of food on 4615

Heteropogon contortus (see *H. hirtus*)**Heteropogon hirtus** 2829**Heteroptera**

- in Denmark 1716
- in Netherlands Antilles 5378
- in apple orchards, identification of 7314
- on grasses
 - damage caused by 6701
 - in USSR 6701
- on potato, in USSR 6167
- on *Quercus petraea*, in Poland 4396
- on *Quercus robur*, in Poland 4396
- on rice, damage caused by 2810
- preying on, *Zeiraphera diniana*, in Switzerland 2157
- traps for 1635, 4168, 5374

Heterotermes indicola

- biology of 3561
- in Bangladesh 3561
- in Pakistan 3561
- in timber, effects of soft-rot fungi on 7210
- in wood, effects of *Basidiomycetes* on 4234

Heterotex (see *Dimethoate*, with trichlorphon)**Heterothrips decacornis**

- distribution of 3357
- on pear, in Mexico 3357

Heterotis (dried)

- Dermestes maculatus* in, in Nigeria 4426

Heterotis (dried) contd.

Necrobia rufipes in, in Nigeria 4426

Heterotylenchus, in, *Hylemya brassicae*, in Ontario 378

Heterusia, on tea, in India 3022

Hevea brasiliensis (see Rubber)

hexachaeta, *Chaetorellia*

6,11-Hexadecadienal, (*Z,E*)-, with (6*E*,11*Z*)-6,11-hexadecadienyl acetate, *Telea polyphemus* sex pheromone 4073

6,11-Hexadecadien-1-ol, acetate, (*Z,E*)-, with (6*E*,11*Z*)-6,11-hexadecadienal, *Telea polyphemus* sex pheromone 4073

7,11-Hexadecadien-1-ol

acetate, (*E,Z*)-

with (*Z,Z*)-7,11-hexadecadienyl acetate attractant for

Pectinophora endema 3869

P. gossypiella 890, 3869, 4116

acetate, (*Z,Z*)-

attractant for, *Pectinophora scutigera* 3869

with (*E,Z*)-7,11-hexadecadienyl acetate attractant for

Pectinophora endema 3869

P. gossypiella 890, 3869, 4116

Hexadecane, in *Tribolium confusum* sex pheromone 1777

Hexadecanoic acid (palmitic acid)

attractant for, *Dermestes maculatus* 3343
in *Anastrepha suspensa*, effects of age on 5310

in *Aphis euonymi* 69

in *Aphis fabae* 69

in *Carya glabra*, seasonal changes in 5307

in *Dermestes maculatus* 585

effects on development of 3343

in *Ephialtes roborator* 6478

in *Myzus persicae* 69

in *Pectinophora gossypiella*, geographical variation in 6513

in *Pieris brassicae* 4052

metabolism of 33

synthesis of 2400

in *Pieris brassicae* haemolymph 2421

in *Quercus falcata*, seasonal changes in 5307

in *Solenopsis invicta* cuticle 4200

in *Solenopsis richteri* cuticle 4200

in *Spodoptera exigua* eggs 1780

in *Trogoderma granarium*, inhibiting pupation 51

methyl ester, in *Iridomyrmex humilis* 68

Hexadecanoic acid, 2-fluoro-

in *Dermestes maculatus*

effects on feeding of 3343

toxicity of 3343

1-Hexadecanol

against

Culex pipiens 3961

Spodoptera littoralis 3961

1-Hexadecanol contd.

against contd.

Tetranychus cinnabarinus 3961

11-Hexadecenal

(*Z*)-

inhibitor of *Heliothis zea* response to sex pheromone 5824

with (*Z*)-13-octadecenal, *Chilo suppressalis* sex pheromone 4070

with (*Z*)-9-tetradecenal, *Heliothis virescens* sex pheromone 4047

7-Hexadecenoic acid, methyl ester, (*Z*)-, *Trogoderma glabrum* sex-pheromone component 4642

8-Hexadecenoic acid, 14-methyl-, methyl ester, (*E*)-, *Trogoderma glabrum* sex-pheromone component 4642

9-Hexadecenoic acid

(*Z*)- (palmitoleic acid)

in *Anastrepha suspensa*, effects of age on 5310

in *Dermestes maculatus* 585

in *Ephialtes roborator* 6478

in *Pieris brassicae* 4052

synthesis of 2400

in *Spodoptera exigua* eggs 1780
repellent for, *Trogoderma granarium* 3266

10-Hexadecen-1-ol, acetate, (*Z*)-, attractant for, *Mamestra configurata* 3421

11-Hexadecen-1-ol

(*Z*)-, with (*Z*)-11-hexadecenyl acetate,

attractant for, *Discestra trifolii* 3398

acetate, (*E*)-, attractant for, *Mamestra configurata* 3422

acetate, (*Z*)-

attractant for, *Mamestra configurata* 3421-3422

Sesamia inferens sex pheromone 5268

with (*Z*)-11-hexadecen-1-ol, attractant for, *Discestra trifolii* 3398

13-Hexadecen-1-ol, acetate, (*Z*)-, attractant for, *Mamestra configurata* 3421

7-Hexadecen-1-ol, acetate, (*Z*)- (see Hexalure)

8-Hexadecen-1-ol, 14-methyl-

(*E*)-, *Trogoderma glabrum* sex-pheromone component 4642

(*Z*)-, attractant for, *Trogoderma inclusum* 6574

9-Hexadecen-1-ol, acetate, (*Z*)-, attractant for, *Mamestra configurata* 3421

2,4-Hexadienoic acid (sorbic acid)

diet component for

Aegeria pictipes 1845

Hydracnia micacea 1238

Spodoptera exigua 5923

S. littoralis 668

S. litura 1239

in *Aphis euonymi* 69

in *Aphis fabae* 69

- 2,4-Hexadienoic acid** *contd.*
 in *Myzus persicae* 69
 potassium salt
 diet component for, *Dacus oleae* 666
 in *Caloglyphus berlesesi*, metabolic inhibition by 6239
 in *Tyrophagus putrescentiae*, metabolic inhibition by 6239
- Hexalure** ((Z)-7-hexadecenyl acetate)
 adopted as common name in *RAE*, p. 7
 attractant for
 Mamestra configurata 3421
 Pectinophora gossypiella 890
 in fish, toxicity of 5197
 in rabbit, toxicity of 5197
 in rat, toxicity of 5197
- Hexameris**, in, *Phthorimaea operculella*, in South America 1277
- Hexameris albicans**
 descriptions of 6168
 development in 6168
 in
 Dictyoploca japonica
 development of 7431
 in Maritime Territory 7431
 Leptinotarsa decemlineata, in USSR 6168
- Hexamethylenetetramine** (see Methenamine)
- Hexanal**, *Oecophylla longinoda* alarm-pheromone component 4628
- Hexane**, repellent for, *Monochamus alternatus* 1073
- 1,3-Hexanediol**, 2-ethyl- (see Ethyl hexanediol)
- Hexanoic acid**
 attractant for, *Dermestes maculatus* 3266
 in *Lasius fuliginosus* trail pheromone 2690
 in *Myzus persicae* 69
 Limonium canus sex pheromone 1113
 Trogoderma glabrum sex-pheromone component 4642
 decyl ester, attractant for, *Forcipomyia* spp. 1071
 hexyl ester, attractant for, *Forcipomyia* spp. 1071
- 1-Hexanol**, *Oecophylla longinoda* alarm-pheromone component 4628
- 2-Hexenal**
 (E)-
 Eurydema pulchrum alarm pheromone 1748
 E. rugosum alarm pheromone 1748
 in Coreoid dorsal-abdominal-gland secretions 3395
- 2-Hexenal**, 4-oxo-
 (E)-
 in Coreoid dorsal-abdominal-gland secretions 3395
 in *Vitellus insularis* defensive secretion 583
- Hexenoic acid**
 in *Aphis euonymi* 69
 in *Aphis fabae* 69
- L-threo-Hex-2-enonic acid**, γ -lactone (see L-Ascorbic acid)
- D-erythro-Hex-2-enonic acid**, γ -lactone, in *Diatraea grandiosella* diet, substituting for ascorbic acid 4652
- L-threo-2,3-Hexodiolosonic acid**, γ -lactone, in *Diatraea grandiosella* diet, substituting for ascorbic acid 4652
- Hexokinase** (see Kinase (phosphorylating), hexo-)
- Heyda nubiferana**, in Hungary 4211
- Heydenia unica**, parasitising, *Phloeosinus dentatus* 3037
- HHDN** (see Aldrin)
- hibisci**, *Amblyseius*
hibisci, *Cerococcus*
hibisci, *Eriophyes*
hibisci, *Melanagromyza*
hibisci, *Orthosia*
- Hibiscus**
Eriophyes hibisci on, in Madras 1727
Obuloides rajamohani on, in Madras 1727
Toxoptera aurantii on, in São Tomé 4208
- Hibiscus cannabinus** (see Kenaf)
- Hibiscus cannabinus mosaic virus**
 in
 Bemisia tabaci, transmission of 1575
 cotton, in El Salvador 1575
 Datura stramonium, infectivity of 1575
 kenaf, in El Salvador 1575
- Hibiscus esculentus** (see Okra)
- Hibiscus panduraeformis**, *Alcidodes affaber* on, in Karnataka 3570
- Hibiscus rosa-sinensis**
Anomis flava on, development of 7108
Cerococcus hibisci on, in Andhra Pradesh 3732
Tydeus californicus on, development of 3441
- Hibiscus sabdariffa** (see Roselle)
- Hickory**, mockernut (see *Carya tomentosa*)
- Hickory**, pignut (see *Carya glabra*)
- hicoriae**, *Anthonomus* (see *A. suturalis*)
- hicoriae**, *Eotetranychus*
- Hide**
Attagenus megatoma in, in Spain 3081
Dermestes frischii in 1674
- hieroglyphica**, *Acantholyda*
hieroglyphicus, *Poekilocerus*
Hieroglyphus, *Beauveria bassiana* in, infectivity of 6694
- Hieroglyphus banian**
 control of, insecticides for 4848
 in India 4848
 on rice, in Karnataka 4848

Hieroglyphus daganensis

- in Nigeria 5423
- on millet, in Nigeria 5423
- on rice, in Nigeria 5423
- on sorghum, in Nigeria 5423
- on sugar-cane, in Nigeria 5423

Hieroglyphus nigrorepletus

- control of, insecticides for 7231
- in India 2813, 6603, 7231
- nymphal development of, effects of crowding on 6603
- on millet, in Uttar Pradesh 6603
- on *Pennisetum typhoides*, in Delhi 7231
- on rice, in Uttar Pradesh 2813, 6603
- on sugar-cane, in Uttar Pradesh 6603
- parasitised by, *Eutrombidium trigonum*, in Uttar Pradesh 2813

higuilloae*, *Amblyseius*, (*Typhlodromalus*)**hilar*, *Acrosternum******hilaris*, *Bagrada******hilaris*, *Scymnus******Hilda patruelis*, on pulse crops 6771*****Himella***

- biology of 2865
- on apple, in New York 2865
- on fruit trees, in Ohio 323
- on pear, in New York 2865

Himella intractata

- in USA 323
- on fruit trees, in Ohio 323

Hinosan* (see Phosphorodithioic acid, α -ethyl *S,S*-diphenyl ester)**Hippelates***

- on domestic animals 2180
- on man 2180

Hippelates pusio*, food-plants of 2180**hippocastani*, *Melolontha******Hippodamia***

- in cotton fields
- effects of interplanted grain crops on 3706
- in Oklahoma 3006
- sampling of 3006
- in sorghum fields, in Texas 7276
- preying on
- aphids 767
- Heliothis virescens*, in Oklahoma 3706
- H. zea*, in Oklahoma 3706

Hippodamia convergens

- aestivation in 3604
- aggregation in 646
- biology of 696
- disulfoton in, toxicity of 3202
- in Canada 3590
- in USA 646, 696, 2844, 3604, 5528
- insecticides in, toxicity of 3915
- pesticides in, toxicity of 5205
- preying on
- Acyrtosiphon pisum*, in California 5528
- aphids, and biological control using, in Peru 696

Hippodamia convergens* contd.*preying on contd.***Cerataphis variabilis*, in Florida 2844*Rhopalosiphum maidis*, in Canada 3590*Therioaphis trifolii*, in California 5528

thiofanox in, toxicity of 535

Hippodamia parenthesis

- in Canada 3590
- preying on, *Rhopalosiphum maidis*, in Canada 3590

Hippodamia quinquesignata

- in USA 5528
- preying on
- Acyrtosiphon pisum*, in California 5528

Therioaphis trifolii, in California 5528***Hippodamia tredecimpunctata*, in USSR 5456*****Hippodamia tredecimpunctata tibialis***

- in Canada 3590
- in USA 878
- preying on
- aphids, in Maine 878
- Rhopalosiphum maidis*, in Canada 3590

hippophaes*, *Capitophorus***Hippotion celerio***

- in Papua New Guinea 5630
- in Solomon Islands 1472
- on *Colocasia esculenta*, in Solomon Islands 1472
- on sweet potato, in Papua New Guinea 5630

hirashimai*, *Stethorus***hiroglyphicus*, *Matsumuratettix******hirsuta*, *Forda******Hirsutella***

- in
- Cydia pomonella*, in Austria 3252
- Thyridopteryx ephemeraeformis* in Georgia (USA) 2735
- pathogenicity of 963

Hirsutella thompsonii

- culture methods for 6358
- in
- man, no effects from 6358
- Phyllocoptruta oleivora*
- biological control with 6358
- in Texas 3139
- pathogenicity of 2893, 3139

hirsutus*, *Maconellicoccus***hirtilineata*, *Sciara****Hirundo neoxena*, preying on, *Inopus rubriceps*, in New South Wales 254*Hirundo rustica*, preying on, *Hermetia illucens*, in Panama 2032***hishimoni*, *Chaetomymar******Hishimonus sellatus***

- activity in, circadian rhythms of 1801
- in Japan 1801, 2338
- on mulberry, in Japan 1801, 2338

Hishimonus sellatus *contd.*

- parasitised by, *Chaetomymar hishimoni*, in Japan 2338

hispanicus, Aphytis

Hispaniola, Calisto spp. in 7224

Hispidae

- on coconut
 - in Colombia 5539
 - in Ecuador 5539
- on oil palm
 - in Colombia 5539
 - in Ecuador 5539

hispidulus, Sitona**hispilabris, Eleodes****Hispinae**

- distribution of 4592
- keys to 4592
- taxonomy of 4592

Hispoleptis diluta

- taxonomy of
 - characters distinguishing *H. elaeidis* and 5539
 - characters distinguishing *H. ollagnieri* and 5539
 - characters distinguishing *H. subfasciata* and 5539

Hispoleptis elaeidis

- taxonomy of
 - characters distinguishing *H. diluta* and 5539
 - characters distinguishing *H. ollagnieri* and 5539
 - characters distinguishing *H. subfasciata* and 5539

Hispoleptis ollagnieri

- sp. nov., description of 5539
- in Colombia 5539

Hispoleptis subfasciata

- taxonomy of
 - characters distinguishing *H. diluta* and 5539
 - characters distinguishing *H. elaeidis* and 5539
 - characters distinguishing *H. ollagnieri* and 5539

Histeridae, preying on, bark beetles, in USSR 6627

histeroides, Cerylon**d-Histidine**

- in *Argyrotaenia velutinana*, nutritional value of 1756
- in *Heliothis zea*, nutritional value of 1756
- in *Phormia regina*, nutritional value of 1756

L-Histidine

- Acyrtosiphon pisum* feeding responses to 3405
- in *Acheta domesticus* haemolymph 1753
- in *Agrotis segetum* granulosis virus 6326
- in *Apis cerana* haemolymph 1753
- in cotton 2088

L-Histidine *contd.*

- in *Cucumis callosus* 6152
- in *Cucumis melo* 6152
- in *Danaus chrysippus* haemolymph 1753
- in *Dysdercus cingulatus* hemolymph 1753, 1782
- in *Dysdercus similis* diet, requirement for 7069
- in *Mylabris phalerata* haemolymph 1753
- in *Onitis distinctus* haemolymph 1753
- in *Phryxe caudata* larvae 6463
- in *Plutella xylostella*, effects of bacterial infection on 3125
- in *Spodoptera exigua* haemolymph 1753
- in sugar-beet, *Lygus disponisi* causing increased level of 868
- in *Tetrastichus israeli* diet, requirement for 6640
- in *Viteus vitifoliae* 2859
- Spodoptera littoralis* feeding response to 2088

Histiogaster arborsignis, preying on, *Dendroctonus frontalis* 3556

Histiostoma

- associated with, *Labidura riparia*, in Florida 958
- Filariomyces forficulae* in, in Florida 958
- Histiostoma feroniarum**
 - biology of 6028
 - in Italy 6028
 - on mushroom, in Italy 6028

histrionica, Stethorus**histrionica, Murgantia**

Hoary-pea (see *Tephrosia*)

hobbsi, Parasitus

Hockeria, taxonomy of 559

Hockeria bifasciata

- in France 2722
- parasitising, *Eublemma scitula*, in France 2722

Hockeria crassa

- sp. n., description of 559
- in Angola 559
- in South Africa 559
- parasitising
 - Imbrasia cytherea*, in South Africa 559
 - I. macrops*, in Angola 559

Hockeria nudaureliae

- sp. n., description of 559
- in Mozambique 559
- in South Africa 559
- parasitising
 - Gonimbrasia belina*, in Mozambique 559
 - Imbrasia cytherea*, in South Africa 559

Hodotermes, in southern Africa 4233

Hodotermes mossambicus

- arthropods associated with 4233
- biology of 4233
- distribution of 4233

- Hodotermes mossambicus** *contd.*
 in South Africa 1269
 worker castes of 1269
- Hodotermitidae**, worker castes of 1269
- HOE 2690**
 against
Heliothis virescens, on cotton 4374
H. zea, on cotton 4374
- HOE 2960** (see *Triazophos*)
- hoeftii**, *Colaphellus*
- hoferi**, *Rhyssa*
- Hogplum** (see *Spondias*)
- Holarctic region**
 Aphrodinae in 19
Pristiphora erichsonii in 1718
- Holcus**, *Chorthippus parallelus* on 169
- Holcus lanatus**
Muellerianella brevipennis on, not able to develop 6529
M. fairmairei on, in Netherlands 6529
- Hollyhock** (*Althaea rosea*)
Corythucha nocens on, in Peru 1244
- Hololepta**, preying on, *Hermetia illucens*, in Panama 2032
- Hololepta quadridentata** 2032
- hololeptoides**, *Sitophagus*
- hololeucus**, *Conorhynchus*, (*Temnorhinus*)
- hololeucus**, *Niptus*
- Holomelina immaculata**
 calling rhythms in, effects of photoperiod on 2512
 sex pheromone of, effects of temperature on response to 2512
- holosericeum**, *Apion*
- Holotrichia** (see *Lachnosterna*)
- Holotrichia consanguinea** (see *Lachnosterna*)
- Holotrichia insularis** (see *Lachnosterna*)
- Holotrichia nilgiria** (see *Lachnosterna*)
- Holotrichia problematica** (see *Lachnosterna*)
- Holotrichia serrata** (see *Lachnosterna*)
- holoxanthus** *Aphytis*
- Homadula albizziae** (see *H. anisocentra*)
- Homadula anisocentra**
 biology of 6806
 control of 6806
 illustrations of 6806
 in USA 6806
 on *Albizia julibrissin*
 damage caused by 6806
 in Florida 6806
 on *Gleditsia triacanthos*, in Mississippi 6806
 taxonomy of 6806
- Homalotylus**, parasitising, *Pharoscyrnus simmondsi*, in Pakistan 1280
- Homalotylus flaminus**
 in Egypt 818
 in India 818
 parasitised by
Achrysophagus spp., in Egypt 178
- Homalotylus flaminus** *contd.*
 parasitised by *contd.*
Prochiloneurus aegyptiacus, in Egypt 178
 parasitising
Rodolia fumida, in India 818
Scymnus interruptus, in Egypt 178
- hominivorax**, *Cochliomyia*
- Homoeocerus serriker**
 in Malaysia 861
 on *Phaseolus aureus*, in Malaysia 861
- Homoeosoma electellum**
 biology of 4357
 control of 4357
Bacillus thuringiensis for 2986
 insecticides for 2986
 in USA 384, 2986, 4357
 on sunflower 6791
 in California 384, 2986
 in Texas 4357
 resistance to 384
- Homoeosoma vagella**
 biology of 2862
 in Australia 2862
 on *Macadamia*, in Queensland 2862
- Homona coffearia**, on tea 6801
- Homona magnanima**
 control of, *Bacillus thuringiensis* for 2109
 in Japan 2109
 on tea, in Japan 2109
- Homoporus gusztavi**
 sp. n., description of 1726
 in Czechoslovakia 1726
 in Italy 1726
- Homoptera**
 ants associated with, in Nigeria 3015
 chromosomes in 6515
 excreta in 4678
 in apple orchards, identification of 7314
 ionic balance in 4678
 moulting in 5248
 on apple, in France 3630
 on cacao
 in Ghana 2104
 in Nigeria 3015
 parasitised by
Centrodora spp. 1306
Tumidiscapus spp. 1306
- L-Homoserine**, *Acyrtosiphon pisum* feeding responses to 3405
- L-Homoserine**, *O*-amino-, in *Manduca sexta*, effects on development of 4651
- L-Homoserine**, *O*[(aminocarbonyl)amino]-, in *Manduca sexta*, effects on development of 4651
- L-Homoserine**, *O*[(aminoiminomethyl)amino]-
Acyrtosiphon pisum feeding responses to 3405
 in *Manduca sexta*
 effects of 5256

L-Homoserine, O[(aminoiminomethyl)amino]- contd.

- in *Manduca sexta* contd.
- effects on development of 4651

hondoensis, *Oligonychus***Honduras**

- Antichloris viridis* in, on banana 2350
- Dendroctonus frontalis* in, on *Pinus* 3042

Honey

- bait component for, ants 5432
- carbaryl in, residues of 5807
- diet component for
 - Apanteles glomeratus* 2719
 - Aphidius colemani* 4796
 - Chelonus heliopa* 4785
 - Chryscharis johnsoni* 1297
 - Chrysopa carnea* 4731
 - Coccinellidae 6017
 - Exenterus abruptorius* 2485
 - Hylemya brassicae* 4518
 - Itopectis maculator* 1243
 - Marietta carnesi* 4213
 - Peristenus digoneutis* 91
 - P. rubricollis* 91
 - Perniphora robusta* 6617
 - Pimpla instigator* 6006
 - Pyrausta machaeralis* 4087
 - Semiadalia undecimnotata* 89
 - Venturia canescens* 1303
- in *Choristoneura fumiferana*, receptors for 4055

Honeybee (see also *Apis mellifera*)

- insecticides in, toxicity of 517, 2984
- on sunflower, in Tamil Nadu 2984

Honeydew

- Cinara pectinatae* 7162
- diet component for
 - Formica lugubris* 756
 - F. rufa* 756
 - Perniphora robusta* 6617
- sugars in 2428

Honeysuckle (see *Lonicera*)**Hong Kong**

- crops in, arthropods associated with 3172
 - Numicia graminivora* in
 - on grasses 6999
 - on shrubs 6999
 - Phenacaspis eugeniae* in, natural enemies of 3362
 - rice in, pests of 2809
 - rice stalk-borers in, natural enemies of 3595
 - Tetranychidae in 5371
- Hop (*Humulus lupulus*)**
- arthropod pests of
 - in East Germany 7160
 - in UK 545
 - Callaphididae on, in Switzerland 3373
 - Cydia sinana* on, in Yugoslavia 5649
 - insect pests of, in Romania 6662

Hop contd.

- Myzus humuli* on
 - forecasting infestations of 1630
 - in Czechoslovakia 2444, 7613
 - in England 3942-3944
 - in Poland 226, 4821, 5120, 6648
 - in Switzerland 3155
 - in UK 3967, 7220
 - in Washington 1337, 4820
 - in West Germany 1630
 - resistance to 3967
 - pest control on 1623, 1629, 7285
 - in UK 4181
 - integrated 6662
 - pests of, in Poland 1318
 - Psylliodes attenuatus* on, in Poland 6648
 - Tetranychus urticae* on
 - forecasting infestations of 1630
 - in UK 3967
 - in Washington 1336-1337, 4820
 - in West Germany 1630
 - relation of farnesol content and susceptibility to 3573
- Hopcide (see Carbamic acid, methyl-, 2-chlorophenyl ester)**
- Hopea ferruginea***, pests of, in Malaysia 2148
- Hoplocampa flava***
- flight activity in 5386
 - in France 5386, 7549
 - on plum, in France 7549
 - on *Prunus insititia*, in France 5386
 - traps for 5386
- Hoplocampa minuta***
- flight activity in 5386
 - in France 5386
 - in USSR 6010
 - on pear, in Byelorussia 6010
 - on *Prunus insititia*, in France 5386
 - parasitised by, *Priopoda* spp., in Byelorussia 6010
 - traps for 5386
- Hoplocampa testudinea***
- Beauveria bassiana* in, in Byelorussia 6010
 - control of, insecticides for 3165, 5750
 - in East Germany 1419
 - in UK 3165
 - in USSR 6010
 - on apple
 - in Byelorussia 6010
 - in East Germany 1419
 - in UK 3165
 - Paecilomyces fumosoroseus* in, in Byelorussia 6010
 - parasitised by, *Lathrolestes* spp., in Byelorussia 6010
- Hoplocampoides xylostei***
- in Switzerland 1925
 - in West Germany 1925
 - on *Lonicera xylosteum* in Switzerland 1925

- Hoplocampoides xylostei** *contd.*
 on *Lonicera xylosteum* *contd.*
 in West Germany 1925
 parasitised by
Habrocytus aureolus, in West Germany 1925
Pnigalio soemius, in West Germany 1925
Scambus spp., in West Germany 1925
- hordei, Tetramesa**
Hordeum distichon (see Barley)
Hordeum vulgare (see Barley)
Hordnia circellata
 grapevine Pierce's disease
 causal agent in
 in California 3617
 transmission of 7481
 in USA 3617, 7481
 on grapevine, in California 3617, 7481
Spiroplasma citri in, persistence of 5722
- hortii, Florinia**
Hormones, in environment, non-target
 effects of 52
- Hornbeam** (see *Carpinus betulus*)
horni, Pharoecymnus
horrida, Acanthomia
horridus, Ceuthorrhynchidius
Horse gram (see *Dolichos biflorus*)
Horse-radish (*Armoracia lapathifolia*)
Hylemya brassicae on, in Sweden 3308
H. floralis on, in Sweden 3308
 insecticides in, residues of 3308
Phyllotreta striolata on, rearing of 7155
- Horse stables, Blaps mucronata** in, in West
 Germany 443
- Horsenettle** (see *Solanum carolinense*)
Hortensia similis
 coconut lethal yellowing disease, causal
 agent in 6087
 in USA 6087
 on coconut, in Florida 6087
- hortensis, Allograpta**
hortensis, Chaetocnema
Hortex (see BHC (γ -isomer))
horticola, Phytomyza
hortulana, Messa
Hosdon (see Phosphorodithioic acid, *O,O*-
 dimethyl *S*-[2-[(1-methylethyl)thio]ethyl]
 ester)
- Hospitals, Monomorium pharaonis** in, in
 UK 7590
- Hostathion** (see Triazophos)
hottentottus, Genuchus
House dust
 DDT in, residues of 5213
Glycyphagus destructor in, in Japan 621
 pesticides in, residues of 4530
- howardi, Diabrotica undecimpunctata**
Howardia biclavus
 illustrations of 6804
 in USA 6804
 on camellia, in Florida 6804
- howdenorum, Rhyssa**
HOX-1901 (see Ethiofencarb)
HOX-2709 (see Chlorprazophos)
huebneri, Hyalarcta
huidobrensis, Liriomyza
Human milk, organochlorine insecticides in,
 residues of 4562, 6978
- humboldtii, Utamphorophora**
humeralis, Sitona
humeralis, Urophorus, (*Carpophilus*)
Humerobates rostroramellatus
 apple canker and 5978
 in UK 5978
- Humicola, Heteropeza pygmaea** on,
 development of 809
- Humicola grisea**, in, timber, effects on
 termites of 7210
- humilis, Copitarsia**
humilis, Iridomyrmex
Humiphila paleolivacea
 gen. et sp. nov., description of 3076
 in Costa Rica 3076
 on *Carapa guineensis*, in Costa Rica
 3076
- humuli, Myzus**, (*Phorodon*)
Humulus lupulus (see Hop)
Hungariella peregrina
Bacillus thuringiensis in, not pathogenic
 6743
 in Israel 6743
 parasitising, *Pseudococcus longispinus*, in
 Israel 6743
- Hungary**
Agyrotania pulchellana in, on grapevine
 317
Amphimallon solstitiale in, on grasses
 4281
Apanteles spp. in 2632
 aphids in 4003
 apple in, pests of 2012
Aulacaspis rosae in, natural enemies of
 3362
 Chalcidoidea in, in grassland 2630
 Coccidae in 5239
Cydia pomonella in 4308
 on apple 3250
 entomological research in 2610, 2612
 insecticide use in, role of forecasting in
 2619
 Lepidoptera in 2613–2614
 natural enemies of 4211
 on fruit trees 4211, 4307
Mamestra brassicae in, on cabbage 6148
 medlar in, pests of 2012
Panonychus ulmi in 107
 pear in, pests of 2012
 Raphidioptera in 2468
Rhagoletis cerasi in 73
 on cherry 4320
Rhizotrogus aequinoctialis in 4281
Rhodococcus bulgaricus in, natural
 enemies of 7004

- Hungary** *contd.*
Subcoccinella vigintiquattuorpunctata in, on lucerne 597, 6083
 Tetranychidae in 4002
 Tipulidae in 4713
- Hyacinth** (see *Hyacinthus orientalis*)
- Hyacinth, water** (see *Eichhornia crassipes*)
- Hyacinthus orientalis***
Thrips flavus on, in Himachal Pradesh 4715
T. kodaikanalensis on, in Himachal Pradesh 4715
T. tabaci on, in Himachal Pradesh 4715
- Hyadaphis erysimi*** (see *Lipaphis*)
- Hyalarcta huebneri***
 biology of 6206
 in Australia 6206
 on *Pinus radiata*, in Queensland 6206
- Hyalesthes obsoletus***
 biology of 217
 in France 217
 lavender yellows, causal agent in, transmission of 217
 on *Lavandula hybrida*, in France 217
- hyalinata*, *Palpita*, (*Diaphania*)**
- hyalinipennis*, *Oxycareus***
- hyalinus*, *Perilampus***
- Hyaloides***, preying on, Tetranychidae, in Missouri 4803
- Hyalomya aldrichii***
 in USA 1168
 parasitising
Nabis alternatus, in Arizona 1168
N. americoferus, in Arizona 1168
N. capsiformis, in Arizona 1168
- Hyalomyzus***, on *Saintpaulia ionantha*, in Maryland 2117
- Hyalophora***
 colour polymorphism in 3371
 on *Larix*, in Ontario 3371
- Hyalophora cecropia***
 carotenoids in, selective storage of 6509
 development in, effects of growth regulators on 2448
 enzymes in 5888
 juvenile hormone in, biosynthesis of 2443
 prothoracic glands in 6465
 vitellogenin in 7051
- Hyalophora cecropia* × *H. columbia*** 3371
- Hyalophora columbia***, in Canada 3371
- Hyalophora euryalis*** 3371
- Hyalophora gloveri nokomis***, in Canada 3371
- Hyalophora promethea***, enzymes in 5888
- Hyalopterus amygdali***
 control of, insecticides for 3837
 in Japan 3837
 on peach, in Japan 3837
 population dynamics of 3837
 preyed on by
Scymnus ferrugatus, in Japan 3837
- Hyalopterus amygdali* *contd.***
 preyed on by *contd.*
Scymnus *contd.*
S. ishidae, in Japan 3837
- Hyalopterus arundinis* auct.** (see *H. amygdali* and *H. pruni*)
- Hyalopterus pruni***
 control of
 growth regulators for 5299
 insecticides for 1407
 Entomophthorales in, in Italy 1407
 in France 7548–7549
 in Italy 1407–1408
 in Poland 322
 on almond, in Italy 1407–1408
 on *Malva sylvestris*, in Italy 1408
 on peach, in France 7548
 on plum
 in France 7549
 in Italy 1408
 in Poland 322
 on reeds, in Poland 322
 parasitised by
Ephedrus spp., in Italy 1407
Praon volucre, in Poland 322
 predators of, in Italy 1407
 preyed on by
Coccinella septempunctata 1285
Deraeocoris flavilinea, in Italy 1408
Harmonia axyridis 1285
- Hyalospila leuconeurella*** (see *Monopsis*)
- Hyaluronidase**, in *Locusta migratoria* gut 739
- Hydraecia micacea***, rearing of, diets for 1238
- Hydratase, epoxide**
 in *Calliphora vicina*, inhibitors of 6983
 in rabbit liver, inhibitors of 6983
 in rat liver, inhibitors of 6983
 in *Tenebrio molitor*, inhibitors of 6983
- Hydrellia***
 control of, insecticides for 7273
 marking of, phenolphthalein for 4166
 on *Hydrilla verticillata*
 and biological control using, in USA 2747
 in Pakistan 2749, 3563
 on *Potamogeton* 2749
 on rice
 in Nigeria 7273
 in Papua New Guinea 4852
 on *Vallisneria* 2749
 parasitised by, *Ademon decrescens*, in Pakistan 2749
- Hydrellia griseola***
 in USA 4794
 in Yugoslavia 4831
 on wheat, in Yugoslavia 4831
 parasitised by, *Chorebus* spp., in California 4794
- Hydrellia incana modesta*** (see *H. modesta*)

Hydrellia modesta

in UK 4288

in grassland, in Northern Ireland 4288

Hydrellia philippina

control of, insecticides for 3598

in India 4794

in Philippines 3598, 5514

on rice

damage caused by 5514

in Kerala 4794

in Philippines 3598

parasitised by, *Chorebus* spp., in Kerala 4794**Hydrellia sasakii**

control of, insecticides for 4866

in India 4866

on rice, in Tamil Nadu 4866

Hydria prunivora

biology of 1425

descriptions of 1425

in Canada 1425

in USA 1425

on *Prunus serotina*

in Canada 1425

in New York 1425

parasitised by, *Telenomus* spp., in New York 1425**Hydrilla verticillata***Bagous* spp. on, in Pakistan 2749*Hydrellia* spp. on

and biological control using, in USA 2747

in Pakistan 2749, 3563

natural enemies of, for possible biological control 2749

Hydrocarbons

in air of insect-rearing laboratories 4724

in *Anthonomus grandis* 72in *Schistocerca americana* oenocytes, synthesis of 743in *Solenopsis invicta* cuticle 4200in *Solenopsis richteri* cuticle 4200**Hydrochloric acid**

diet component for

Dacus oleae 666*Ceratitis capitata* 6568

mirex thermoproduct 4540

Hydrocyanic acid

against

Aonidiella aurantii, on *Citrus* 5110*Coccus pseudomagnoliarum*, on orange 4328*Ephestia kuehniella* 1536*Gnathocerus cornutus* 1536*Plodia interpunctella* 2166*Trialeurodes vaporariorum* 3937

on cucumber 978

Tribolium confusum 1536

fumigant for, flour mills 1536

in insects, metabolism of 3270

in mammals, metabolism of 3270

standards for use of 6926

Hydrocyanic acid contd.

use of, precautions in 5176

Hydrogen cyanide (see Hydrocyanic acid)**Hydrogen phosphide** (see Phosphine)**Hydrolase**, in *Galleria mellonella* 2395**Hydrophilus olivaceus**

in India 1044

in rice swamps, effects of insecticides on 1044

hydropicus, Dorysthenes**Hydroprene** (ethyl (2*E*,4*E*)-3,7,11-trimethyl-2,4-dodecadienoate)adopted as common name in *RAE*, p. 7 against*Acyrtosiphon pisum* 3876

on pea 3155

Aedes aegypti 3876*Aphis craccivora* 5299*A. fabae* 2444*A. gossypii* 5299*Coleophora laricella*, on *Larix* 6845*Galleria mellonella* 3876*Heliothis virescens* 3876*Hyalopterus pruni* 5299*Macrosiphum euphorbiae*, on potato 5201*Musca domestica* 3876*Myzus persicae* 2444

on peach 6739

Oryzaephilus surinamensis, in stored wheat 7464

pests of stored maize 5053

pests of stored wheat 5053

Phenacoccus solani, on ornamental plants 410*Pseudococcus longispinus*, on ornamental plants 410*Rhopalosiphum maidis* 5299

on maize 7083

Saissetia coffeae, on *Aphelandra squarrosa* 3729*S. oleae*, on ornamental plants 410*Sitophilus granarius*, in stored wheat 7464*Spodoptera littoralis* 2446*Tenebrio molitor* 3876*Therioaphis trifolii* 2444in *Aonidiella aurantii*, effects on development of 2894in *Cephonodes hylas*

effects on body colour of 4672

effects on development of 4673

in *Ceratitis capitata*, effects on emergence and fecundity of 3264in *Choristoneura fumiferana*, effects on embryonic respiration of 3341in *Cydia pomonella*, effects on fecundity of 7656in *Earias insulana*, effects on development of 4067in *Ephestia cautella*, effects of 2317in *Ephestia kuehniella*, effects of 2317

Hydroprene contd.

- in *Heliobius armiger*, effects on reproduction of 7650
- in *Hyalophora cecropia*, effects of 2448
- in *Hylobius abietis*, effects on pupae of 5885
- in *Ips typographus*, effects on pupae of 5885
- in *Locusta migratoria*, effects of 166
- in *Lymantria dispar*, effects on parasites of 5144
- in *Macrosiphum euphorbiae*, effects on parasites of 5201
- in *Nasutitermes exitiosus*, effects on caste differentiation of 1316
- in *Reticulitermes flaviceps*, effects on soldier differentiation of 806
- in *Saissetia coffeae*, effects on parasites of 3729
- in *Schistocerca americana*, effects of fecundity and fertility of 1252
- in *Spodoptera littoralis*
 - effects on reproduction of 2287
 - morphogenetic activity of 1132
- in *Subcoccinella vigintiquatuorpuntata*, effects on diapause of 597-598
- in *Thermobia domestica*, effects on reproductive organs of 3265
- resistance to, in, *Spodoptera littoralis* 7651
 - with chlorpyrifos, in *Spodoptera littoralis*, effects on reproduction of 2287

Hydroquinone (see 1,4-Benzenediol)**3-Hydroxycarbofuran** (see 3,7-

Benzofurandiol, 2,3-dihydro-2,2-dimethyl-, 7-(methylcarbamate))

Hydroxychlordene (see 4,7-Methano-1*H*-inden-1-ol, 4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-)**Hydroxydiazinon** (see Phosphorothioic acid, *O,O*-diethyl *O*[[2-(1-hydroxy-1-methylethyl)-6-methyl-4-pyrimidinyl] ester])**Hydroxydiazinon oxon** (see Phosphoric acid, diethyl 2-(1-hydroxy-1-methylethyl)-6-methyl-4-pyrimidinyl ester)**Hydroxylase**

- in *Lymantria dispar*, dichlorvos metabolism by 1115
- in sheep, effects of insecticides on 2310

Hydroxylase, aniline (see Oxygenase, aryl 4-mono-)**Hydroxylase, dihydroisodrin**, in Saturniid larvae 5888**hygrophila, Agasicles****hylas, Cephonodes****Hylastes**

- biology of 3041
- control of 3041
 - insecticides for 6835
- on conifers, in UK 3041

Hylastes contd.

- on *Picea sitchensis*, in UK 6835

Hylastes ater

- in New Zealand 2271
- in forests, in New Zealand 2271

Hylastinus obscurus

- biology of 1379
- in Chile 1379
- in Switzerland 3608
- on *Trifolium pratense*
 - in Chile 1379
 - in Switzerland 3608

Hyleoetis dermestoides

- biology of 438
- descriptions of 438
- in Austria 438
- on *Fagus*, in Austria 438

Hylemya

- control of, insecticides for 355, 1615, 2664

on radish, in Poland 355

Hylemya antiqua (see also *Delia antiqua*)

- chromosome rearrangements in 3243
- chromosomes in
 - effects of fast neutrons on 2460
 - effects of X-irradiation on 2460
- control of
 - evaluation of insecticides for 3948
 - genetic 2460, 3243
 - insecticides for 2652, 3949-3950
 - sterile-insect release for 3968
- egg chambers in, development of 2374
- in France 2652, 3950
- in Netherlands 2460, 3968
- in UK 3948
- in USA 3688
- on onion
 - in France 2652
 - in Netherlands 2460, 3968
 - in UK 3948
- population dynamics of, correlation of temperature and 3688

Hylemya brassicae (see also *Delia brassicae*)

- biology of 378, 2915, 3409
- Conidiobolus coronatus* in 4461
- control of 3219
 - growth regulators for 4066, 5296
 - insecticides for 351, 1444, 1680, 2651, 2918, 3307-3308, 3327, 3947, 3949-3950
 - integrated 4512
- development in, on cruciferous weeds 3565
- dispersal of 3409, 3462
- Entomophthora virulenta* in 4461
- Heterotylenchus* spp. in, in Ontario 378
- in Belgium 2651, 4066, 5296
- in Bulgaria 351, 1444
- in Canada 378, 3327, 3565
- in France 3950, 4518
- in Poland 1443, 1450, 2918, 4782
- in Sweden 3307-3308

***Hylemya brassicae* contd.**

- in UK 3327, 3462, 3947
- in USA 2915
- insecticide resistance in, in France 4518
- on *Barbarea vulgaris*, development of 3565
- on brussels sprouts, in Belgium 2651
- on cabbage 1680, 3409
 - in Bulgaria 351, 1444
 - in England 3947
 - in Poland 1443, 2918, 4782
- on cauliflower
 - in Belgium 4066, 5296
 - in British Columbia 3327
 - in England 3327, 3947
 - in Sweden 3307
- on crucifers, in North Carolina 2915
- on grain crops 3409
- on *Hesperis matronalis*, development of 3565
- on horse-radish, in Sweden 3308
- on *Lepidium densiflorum*, development of 3565
- on radish, in England 3947
- on *Sinapis arvensis*, development of 3565
- on *Sisymbrium loeselii*, development of 3565
- on swede
 - in Ontario 378
 - in Sweden 3307
- ovarian cycle in, stages in 3409
- oviposition in, on cruciferous weeds 3565
- parasites of 4512
 - effects of growth regulators on 5296
- parasitised by
 - Aleochara bilineata*, in Ontario 378
 - Trybliographa rapae*
 - in Belgium 5296
 - in Poland 4782
 - predators of, in Poland 4782
 - rearing of, diets for 4518
 - Strongwellsea castrans* in, in Ontario 378
 - traps for 3409

Hylemya cilicrura* (see *Delia platura*)**Hylemya coarctata* (see also *Delia coarctata*)**

- control of
 - insecticides for 1060, 3949
 - seed dressings for 5490
- eggs of 1000
- in East Germany 275, 1000, 5490
- in UK 800, 1060, 5359
- on potato
 - forecasting infestations of 1000
 - in East Germany 1000
- on sugar-beet
 - forecasting infestations of 1000
 - in East Germany 1000
- on wheat
 - damage caused by 275
 - in East Germany 275, 5490
 - in England 800, 1060

***Hylemya coarctata* contd.**

- population dynamics of 5359
- preyed on by
 - birds, in England 800
 - Carabidae, in England 800
 - Empis livida*, in England 800
 - Scatophaga stercoraria*, in England 800

***Hylemya extremitata* (see *Delia*)**

- Hylemya floralis*** (see also *Delia floralis*)
 - control of, insecticides for 3307-3308
 - in Sweden 3307-3308
 - on cauliflower, in Sweden 3307
 - on horse-radish, in Sweden 3308
 - on swede, in Sweden 3307

Hylemya florilega

- in Canada 378
- in Poland 1443
- on cabbage, in Poland 1443
- on swede, in Ontario 378

***Hylemya fugax* (see also *Pegohylemyia fugax*)**

- in Poland 1443
- on cabbage, in Poland 1443

***Hylemya laricicola* (see *Lasiomma*)**

- Hylemya platura*** (see also *Delia platura*)
 - attraction of, to germinating seeds 3457
 - biology of 2910-2911
 - Conidiobolus coronatus* in 4461
 - control of
 - crop management for 2653
 - evaluation of insecticides for 3948
 - insecticides for 360, 2653, 3949-3951
 - integrated 4512

***Entomophthora virulenta* in 4461**

- in Belgium 2653
- in Canada 378
- in France 3950, 5392
- in Poland 360, 1443
- in UK 3948, 3951
- in USA 3457
- in West Germany 1611, 2910-2911
- in Yugoslavia 1351, 4831
- on asparagus, in West Germany 2910-2911
- on cabbage, in Poland 1443
- on carrot, in France 5392
- on *Cucurbita pepo* 2489
- on maize, in Yugoslavia 1351
- on onion, in UK 3948
- on *Phaseolus*, in Poland 360
- on *Phaseolus vulgaris*
 - in Belgium 2653
 - in England 3951
- on swede, in Ontario 378
- on vegetable crops, in Belgium 2653
- on wheat, in Yugoslavia 4831
- oviposition in 3457
 - effects of microorganisms on 2489
- Pseudomonas* spp. in, effects on oviposition of 2489

- Hylemya platura* contd.**
Torulopsis aerea in, effects on oviposition of 2489
traps for 2910–2911
- Hylemya radicum***, taxonomy of, *Delia brassicae* distinct from 5237
- Hylemya securis***
in West Germany 1611
on wheat, in West Germany 1611
- Hyles gallii***, peptides in 4681
- Hyles lineata livornica***
in USSR 313
on grape vine, in Azerbaijan 313
- Hylesinus crenatus***
in Poland 1300
on *Fraxinus*, in Poland 1300
parasitised by, *Trichogramma semblidis*, in Poland 1300
- Hylicidae**, in Ethiopian region 2351
- hylobii**, *Bracon*
- Hylobius abietis***
attraction of, to technical trichlorphon 5280
biology of 3041
control of 3041
insecticides for 414, 1526, 2139, 3071, 6835
growth regulators in, effects of 5885
in New Zealand 5219
in Sweden 414
in UK 3041, 6835
in West Germany 3071, 5684
olfactory responses in, to *Pinus sylvestris* extracts 3345–3346
on conifers
in Sweden 414
in UK 3041
on *Picea*, in West Germany 3071
on *Picea sitchensis*, in UK 6835
on *Pinus*, in West Germany 3071
orientation reactions in 3776
parasites of, effects of insecticides on 3071
parasitised by, *Bracon hylobii*, in West Germany 3071
- Hylobius pales***
aestivation in 1508
control of
antifeedants for 1520
insecticides for 1664, 3901, 7425
development in 5659
egg-hatch in, effects of water on 5018
embryonic development in, effects of temperature and humidity on 5018
feeding behaviour in 3928
in USA 422, 1508, 3034, 5659, 7425
lipids in 923
nematodes in, effects of 422
on *Pinus palustris*, in South Carolina 3034
on *Pinus strobus*
in Georgia (USA) 5659
- Hylobius pales* contd.**
on *Pinus strobus* contd.
in North Carolina 5659
rearing of 4730
on *Pinus taeda* 923
in North Carolina 7425
in South Carolina 3034
oxygen consumption in 1508
parasites of, effects of 422
rearing of, techniques for 4730
reproductive diapause in 422
sterols in 923
traps for 3034
- Hylobius radialis***
biology of 5036
in USA 5036
on *Pinus resinosa*
distribution pattern of 5036
in Michigan 5036
- Hylophilus prasinana*** (see *Bena*)
- Hylotrupes bajulus***
control of, insecticides for 4447
in Poland 5713
in West Germany 5698
in dwellings, in West Germany 5698
in wood, in Poland 5713
parasitised by
Sclerodermus domesticus 3105
Ycaploca evansi, in South Africa 3993
- Hylurdretonus araucariae***
control of, crop management for 3063
flight activity in 428
in Papua New Guinea 428, 3063, 3072
on *Araucaria cunninghamii*, in Papua New Guinea 428, 3063, 3072
traps for 428
- Hylurgopinus rufipes***
biology of 6218
Ceratocystis ulmi in
in USA 3736
transmission of 3737, 5002, 6218
control of 3736–3737
in USA 3736, 6218
- Hylurgus ligniperda***
biology of 5004
control of 5004
in Australia 5004
in New Zealand 5004, 5219
on *Pinus*, in New Zealand 5004
- Hymenaea courbaril***, *Rhinocenus* spp. on 7020
- hymenanthis**, *Florinia*
- Hymenia fascialis*** (see *H. recurvalis*)
- Hymenia recurvalis***
control of, *Bacillus thuringiensis* for 3853
in India 7333
on *Amaranthus*, in Antilles 3853
on *Amaranthus viridis*, in Karnataka 7333
- Hymenolepis nana***, in, *Tribolium destructor* 6305

Hymenoptera

- acephate in, toxicity of 2657
 biology of 1834
Chilo iridescent virus in, infectivity of 3828
 collections of 3981
 courtship behaviour in 4225
 egg distribution of, mathematical model for 115
 flight activity in 4217
 growth regulators in, effects of 5789
 hosts of 1834
 in Africa 4203
 in Arizona 6652
 in Iran 2582
 in Mongolia 4142
 in South Korea 6556
 in sugar-beet fields
 effects of insecticides on 3299
 in Poland 3299
 in Yugoslavia 5435
 in apple orchards, identification of 7314
 in milk-powder factories, in Japan 7447
 in oak forests, in Poland 5017
 in rice-fields, in Tokushima Prefecture 1354
 in tea fields, effects of insecticides on 2109
 in wheat fields, effects of fertilizers on 6917
 insecticides in, effects of 5806
 leaf-mines caused by 4238
 methamidophos in, toxicity of 2657
 nesting biology of 4695
 on apple, in France 3630
 on shrubs, in USA 5687
 parasitised by
 Centrodora spp. 1306
 Conopidae, in USSR 1873
 Hymenoptera 1834
 Ichneumonidae, in England 6632
 Monodontomerus dentipes 4402
 Tumidiscapus spp. 1306
 parasitising
 Acyrtosiphon pisum, in USSR 5456
 Alcidodes waltoni, in Tamil Nadu 2116
 Aulacorthum solani, in Japan 880
 bark beetles, in USSR 6627
 Ceutorhynchus assimilis, in Poland 1479
 Chilo polychrysus, in Malaya 4849
 Coleophora serratella, in Quebec 3748
 Cydia pseudonectis, in Madhya Pradesh 7203
 Dectes texanus, in Missouri 865
 Delia coarctata, in England 1904
 Dendrolimus punctatus, in Vietnam 3740
 Diacrisia obliqua, in India 2059
 Malacosoma americanum, in Arkansas 4691

Hymenoptera contd.

- parasitising *contd.*
 Noctuidae, in USSR 6620
Pachynematus setator, in Oregon 299
 pests of tea, in Japan 2109
Phloeosinus dentatus 3037
 Psyllidae, in Moldavia 5228
Rhyacionia buoliana, in Missouri 4393
R. frustrana
 in Florida 3032
 in Missouri 4393
R. neomexicana 3066
R. subtropica, in Florida 3032
Scirpophaga incertulas, in Malaya 4849
 Siricidae, in USA 3741
Stomopteryx palpilineella, in Pennsylvania 6653
Tortrix capensana, in South Africa 5957
 rearing of, techniques for 1834
 superparasitism in, model for avoidance of 115
 traps for 1635
Hymenostilbe dipterigena, in, Muscidae, in Ghana 7495
Hymenostilbe ghanensis
 sp. nov., description of 7495
 in, spiders, in Ghana 7495
Hymenostilbe longispora
 sp. nov., description of 7495
 in
 Myrmicinae, in Ghana 7495
 Ponerinae, in Ghana 7495
Hymenostilbe nutans, in, *Callibaphus longirostris*, in Ghana 7495
Hymenostilbe sulphurea
 sp. nov., description of 7495
 in, Fulgoroidea, in Ghana 7495
hymettana*, *Erythroneura hyoscyami*, *Pegomya hyoscyamus niger*, *Leptinotarsa decemlineata on, in Ukraine 7219
Hypena tristalis
 in USSR 1872
 on soy bean, in USSR 1872
 parasitised by, *Phryxe vulgaris*, in USSR 1872
Hypera
 control of, insecticides for 1986
 on lucerne, in Bulgaria 1986
 population growth in, effects of irrigation on 1194
Hypera brunneipennis
Adelina spp. in, in California 4483
 aestivation in 3604
 colour variation in 5867
 control of
 insecticides for 302, 3860, 4293
 threshold for 306
 visual economic thresholds for 302

***Hypera brunneipennis* contd.**

- development in 22
- in USA 22, 302, 306, 2574, 2840, 3604, 3860, 4293, 4483, 5867, 6706
- literature on 4296
- on lettuce, in California 3604
- on lucerne
 - assessing infestations of 2574
 - damage caused by 302, 306
 - in California 302, 306, 2574, 2840, 4293, 6706
 - relation of foliar disease and 2840
 - resistance to 6706
- on *Phaseolus*, in California 3604
- on *Prunus*, in California 3604
- on strawberry, in California 3604
- on *Trifolium*, in California 3604
- on *Vicia*, in California 3604
- parasitised by, *Bathyplectes curculionis*, in California 4293
- taxonomy of, misidentified as *H. postica*, in California 4293

Hypera meles

- in USA 1380
- on *Trifolium*, species preferences of 1380
- on *Trifolium incarnatum*, resistance to 4297

Hypera nigrostris*, parasitised by, *Microctonus aethiopoides* 4602**Hypera postica***

- activity in 303
- Adelina* spp. in, in Iraq 4483
- aggregation in 646
- biology of 303, 6079
- control of
 - insecticides for 302, 4294
 - reaping for 6079
 - threshold for 306
 - visual economic thresholds for 302
- descriptions of 6079
- development of 1372
- diapause in, tactic responses during 6541
- diel activity in 6080
- extra-ocular photoreceptors in 5907
- hyperparasites of, in Wyoming 189
- hyperparasitised by
 - Eupteromalus americanus*, in Colorado 5440
 - Gelis* spp.
 - in Indiana 652
 - in Wisconsin 7197
 - Mesochorus agilis*, in Wisconsin 7197
 - Sceptrothelys grandiclava*, in Wisconsin 7197
- in Bulgaria 1194
- in Canada 2837, 5527, 6079–6080
- in France 4294, 6517
- in Iran 5914
- in Iraq 4483
- in USA 189, 303, 306, 646, 652, 1372–1374, 3499, 3552, 5440, 6517, 6633, 7197

***Hypera postica* contd.**

- in West Germany 6517
 - insecticide susceptibility in, determination of 521
 - literature on 4296
 - mating in, effects on sperm transfer of 2459
 - mortality in 5527, 6709
 - on lucerne 6613
 - assessing infestations of 1373, 2837, 5527
 - damage caused by 302, 306, 4884
 - distribution pattern of 1372
 - in California 306
 - in France 4294
 - in Kentucky 1372–1373
 - in Michigan 3499
 - in Ontario 2837, 5527
 - in Oregon 303
 - in Quebec 6079–6080
 - in Utah 1374
 - in Wisconsin 7197
 - in Wyoming 189
 - resistance to 2835–2836, 6706
 - simulations of 4515
 - on *Medicago*, resistance to 2836
 - overwintering in 6709
 - parasites of, defensive behaviour against 3552
 - parasitised by
 - Bathyplectes* spp. 5235
 - B. anurus*
 - in Iran 5914
 - in Kentucky 1372
 - B. curculionis* 4883
 - defence mechanisms against 6633
 - in Colorado 5440
 - in Indiana 652
 - in Iran 5914
 - in Kentucky 1372
 - in Oklahoma 6633
 - in Quebec 6079
 - in Utah 1374
 - in Wisconsin 7197
 - in Wyoming 189
 - Microctonus aethiopoides* 4602
 - Patasson luna*, in Quebec 6079
 - Tetrastichus incertus* 3552
 - in Iran 5914
 - in Quebec 6079
 - parasitism of, prediction of 1374
 - Perezia hyperae* in, pathogenicity of 483
 - phototaxis in, action spectrum of 5907
 - population growth in, effects of irrigation on 1194
 - sterilisation of, γ -irradiation for 2459
 - strains of, sterility between 6517
 - taxonomy of, *Hypera brunneipennis* misidentified as, in California 4293
- Hypera variabilis* (see *H. postica*)**
- Hyperaspis reppensis***
- in Turkey 6602

***Hyperaspis reppensis* contd.**

preying on, *Tetranychus urticae*, in
Turkey 6602

Hyperecteina aldrichi

in Japan 6628
parasitising, *Popillia japonica*, in Japan
6628

Hypericum crispum

Asphondylia spp. on, in Cyprus 5538
A. gennadii on, in Cyprus 5537

Hyperodes bonariensis

control of, insecticides for 3185–3187
in New Zealand 3185–3187
on *Lolium*, in New Zealand 3185
on *Lolium multiflorum*, in New Zealand
3186
on *Lolium multiflorum* × *L. perenne*, in
New Zealand 3186
on maize, in New Zealand 3187
rearing of, techniques for 141

Hyperomyzus lactucae

control of, plant growth regulators for
6093, 6427
in UK 6093
on black currant, in UK 6093, 6427
predators of, effects of plant growth
regulators on 6093
sowthistle yellow net virus in, not
transmitted 458

Hyperomyzus pallidus

biology of 312
in Poland 312
on gooseberry, in Poland 312
on *Sonchus arvensis*, in Poland 312

Hyperomyzus rhinanthi

in Bulgaria 1390
on strawberry, in Bulgaria 1390

***Hyperplasia*, in *Macaca mulatta*, caused by
Baculovirus heliothis 3154*****Hypersensitivity***

to *Malacosoma disstria*, in man 1844
to *Orgyia*, in man 1844

Hyphantria cunea

biology of 645, 1242, 5980
control of
Bacillus thuringiensis for 3849, 5745,
5980
biological 6546
growth regulators for 1671
insecticides for 5980
integrated 4706
nest destruction for 5980
cytoplasmic polyhedrosis virus in, effects
of diet on susceptibility to 965
development in
effects of diet on 965
forecasting of stages in 5913
emergence in 4706
forecasting outbreaks of, use of light-traps
in 5762
granulosis virus in 1242

***Hyphantria cunea* contd.**

granulosis virus in contd.
and biological control using, in
Moldavia 6907
in Yugoslavia 1594
in Bulgaria 5762
in Canada 7493
in Japan 645, 2723
in USA 475
in USSR 5745, 5913, 5980, 6221, 6907
in Yugoslavia 1351, 1594, 4706, 6546
larval head-types in 5895
mechanocardiograms of 4157
Nosema spp. in, in Illinois 475
N. necatrix in, in Illinois 475
nuclear polyhedrosis virus in
and biological control using, in
Moldavia 5745, 6907
effects of diet on susceptibility to 965
pathogenicity of 7493
on maize, in Yugoslavia 1351
on mulberry
development of 1242
in Yugoslavia 1594
parasites of 4706
in Yugoslavia 6546
parasitised by
Clemelis pullata, in Moldavia 5980
Conomorium patulum, in USSR 6221
Psychophagus omnivorus, in Moldavia
5980
Pleistophora carpocapsae in, not infective
2182
P. schubergi in, in Illinois 475
predators of, in Yugoslavia 6546
preyed on by
birds
in Japan 645
in Moldavia 5980
Chrysopa perla, in Moldavia 5980
Podisus maculiventris, and biological
control using, in Japan 2723
Polistes spp., in Japan 645
spiders, in Moldavia 5980
rearing of, diets for 965, 1242, 5389
hyphantriae, *Blondelia*
hyphantriae, *Meteorus*
Hypnoidus riparius, in Sweden 3517
hypochlora, *Colaspis*
Hypochlorous acid
sodium salt
for rinsing cocoons to remove allergenic
dust 1844
surface-sterilant for
Heliothis virescens eggs 2229
Lixophaga diatraeae 3128, 6666
***Hypocrita jacobaeae* (see *Tyria*)**
Hypogastrura armata
control of, insecticides for 2740
insecticides in, toxicity of 3304
on mushroom 2740

- Hypogastrura denticulata***
in Belgium 3028
in pine litter, in Belgium 3028
- Hypogeococcus***, in South Africa 563
- Hypoglycemia**, in fowl, caused by malathion 3918
- Hypolithus bicolor***
orientation in
to CO₂ 4744
to germinating seeds 4744
- Hyponeuma taltula***
in Brazil 5981
on sugar-cane, in Brazil 5981
- Hyponomeuta malinellus*** (see *Yponomeuta padellus malinellus*)
- Hyponomeuta padellus*** (see *Yponomeuta*)
- Hypophloeus***, preying on, bark beetles, in Russian Republic 6841
- Hypophloeus bicolor***
in UK 7194
on *Ulmus*, in England 7194
- Hypophloeus fraxini***
in USSR 6627
preying on, bark beetles, in USSR 6627
- Hypopholis sommeri***
biology of 265
control of, insecticides for 265
in South Africa 265
on *Acacia mearnsii*, in South Africa 265
on sugar-cane, in South Africa 265
- Hyposidra talaca***
in Papua New Guinea 3013
on cacao, in Papua New Guinea 3013
on *Leucaena leucocephala*, in Papua New Guinea 3013
- Hyposoter didymator***
in Bulgaria 224
in USSR 6767
parasitising
Heliothis peltigera, in Bulgaria 224
Mamestra brassicae, in Caucasus 6767
- Hyposoter disparis*** (see *Phobocampe*)
- Hyposoter ebeninus***
in USSR 6767
parasitising
Pieris brassicae, in Caucasus 6767
P. rapae, in Caucasus 6767
- Hyposoter exiguae***
oviposition in, effects of host age on 2710
parasitising, *Trichoplusia ni* 479, 788, 2200, 2710, 3652, 7191
- Hyposoter fugitivus***
in USA 1320
parasitising, *Schizura concinna*, in California 1320
- Hyposoter notata***
in USSR 5458
parasitising, *Agrotis segetum*, in Uzbekistan 5458
- hypostigma**, *Chlorops*
- hypoterra**, *Tuckerella*
- Hypothenemus birmanus***
biology of 5674
in Western Samoa 5674
on mango, in Western Samoa 5674
- Hypothenemus dissimilis***
flight activity in 5672
in USA 5672
in oak-hickory forests, in Missouri 5672
- Hypothenemus eruditus***
flight activity in 643
in Papua New Guinea 643
on *Araucaria cunninghamii*, in Papua New Guinea 643
traps for 643
- Hypothenemus hampei***
control of
biological 4990
insecticides for 4987
in Guatemala 4987
in Kenya 4990
on coffee
damage caused by 3722
in Guatemala 4987
in Kenya 4990
- Hypothenemus polyphagus***
descriptions of 4272
in Cameroon 4272
on rice
damage caused by 4272
in Cameroon 4272
- Hypsicera curvator***
descriptions of 6623
hosts of 6623
in Italy 6623
parasitising, *Ostrinia nubilalis*, in Italy 6623
- Hypsipyla grandella***
control of
insecticides for 3079
integrated 3078
flight activity in 921
in Costa Rica 921, 3077-3078, 4072
in Puerto Rico 2143
on *Cedrela*, in Costa Rica 4072
on *Cedrela odorata*, in Puerto Rico 2143
on Meliaceae, in Costa Rica 921
on *Swietenia macrophylla*, in Costa Rica 4072
on *Toona ciliata*
in Costa Rica 3077
mortality of 3079
resistance to 3077
sex pheromone of 4072
traps for 4072
- hyrtaca***, *Metanastris*
- Hyssopus thymus***
fecundity in 628, 1283
in Canada 628, 1283
life-span in 628
parasitising
Rhyacionia buoliana
in Canada 628

- Hyssopus thymus* contd.**
 parasitising contd.
Rhyacionia buoliana contd.
 in Ontario 1283
- Hysteroneura setariae***
 control of, insecticides for 2797
 in India 2797
 in Philippines 711
 on *Eleusine coracana*
 effects of fertilizers on 2797
 in Tamil Nadu 2797
 sexual forms of 711
 traps for 711
- hystricellus*, *Urentius***
hystrix*, *Abacarus
- IAA (1*H*-Indole-3-acetic acid)**
 in soil, effects of aldicarb on production of 7664
Lygus disponis saliva promoting activity of 576
- iaksuiense*, *Aphanostigma***
- Iassinae**, in Ethiopian region 6442
- Iassomorphus cedaranus***
 biology of 810
 descriptions of 810
 in South Africa 810
 on *Acacia mearnsii*
 damage caused by 810
 in South Africa 810
- IBA (1*H*-Indole-3-butyric acid)**
 in *Malacosoma californicum*, effects of 5216
- ibadensis*, *Moorada***
- Ibalia ensiger***
 in USA 188
 parasitising, *Sirex* spp., in USA 188
- Ibalia leucospoides ensiger* (see *I. ensiger*)**
- Ibalia ruficollis***
 in USA 3741
 parasitising, *Sirex juvencus*, in USA 3741
- ibarae*, *Macrosiphum***
- Ibotenic acid** (see 5-Isoxazoleacetic acid, α -amino-3-hydroxy-)
- ica*, *Amplicephalus***
- Iceland**
 Coccoidea in 6448
Nomophila noctuella in 5343
- Icelia flavescens***
 in Brazil 6438
 parasitising, *Diatraea* spp., in Brazil 6438
- Icerya pilosa***
 in India 818
 on sugar-cane, in India 818
 preyed on by, *Rodolia fumida*, in India 818
- Icerya pilosa nardi* (see *I. pilosa*)**
- Icerya purchasi***
 control of 337
 in Egypt 3567
 in USA 337
- Icerya purchasi* contd.**
 lipids in 2450
 on *Citrus*
 effects of volcanic ash on 5579
 in California 337
 on *Sterchulia diversifolia*, in Egypt 3567
 population dynamics of 3567
 preyed on by, *Rodolia cardinalis* 767
- Icerya seychellarum***
 in India 7385
 on *Croton*, in Madhya Pradesh 7385
- Ichneumon promissorius***
 in Papua New Guinea 4989
 parasitising, *Tiracola plagiata*, in Papua New Guinea 4989
- Ichneumon sarcitorius***
 in USSR 5458
 parasitising, *Agrotis segetum*, in Uzbekistan 5458
- Ichneumonidae**
 collections of 3981
 hosts of
 in Malaysia 2148
 in New South Wales 6618
 in Finland 3990
 in Palaearctic region 7030
 in Peru 702
 keys to 3843
 nocturnal species of 5825
 parasitising
Caliroa cerasi, in France 1091
C. varipes, in France 1091
Cnephiasia interjectana 4405
Ephestia kuehniella 4712
 leaf miners, in England 6632
 Lepidoptera
 in Hungary 4211
 in Japan 3841
 in Switzerland 2128
Mocis spp., in Florida 4283
Mythimna unipuncta, in Soviet Far East 6077
Orgyia antiqua, in West Germany 3030
Oulema oryzae
 in Japan 1286
 in South Korea 1286
Penichroa fasciata, in Italy 2179
Phthorimaea operculella, in Japan 779
Rhyacionia duplana, in Spain 4395
 rice stem-borers 3843
 Syrphidae, in Poland 185
Zeiraphera diniana, in Switzerland 2255
 taxonomy of 3981, 3990, 7030
- Ichneumoninae**, in Burma 1821
- Ichneumonoidae**
 in British Isles 5825
 nocturnal species of 5825
- Ichneutes***, parasitising, *Pristiphora abietina*, in Austria 3056
- Ichneutes reunitor*** 3056

iconiensis, Zabrus**Ictalurus punctatus**

- carbaryl in, residues of 4580
- dieldrin in, residues of 7671
- 3,5-dimethylphenyl methylcarbamate in, residues of 4580
- mercury in, residues of 6401
- pesticides in, residues of 6401

Ichthyura anastomosis (see *Pygaera*)**Idaho**

- Choristoneura occidentalis* in
 - on *Abies* 4408
 - on conifers 5009
 - on *Pseudotsuga* 4408
- Coryphista meadii* in, natural enemies of 4599
- Dendroctonus pseudotsugae* in 5665
- on *Pseudotsuga* 3211
- Heliothis zea* in, on maize 7243
- Hemerocampa pseudotsugata* in 7434
- on *Pseudotsuga* 1515
- Melanoplus sanguinipes* in 473
- pea in, pests of 2928
- Pissodes terminalis* in, on *Pinus* 418
- Salsola iberica* in, *Coleophora parthenica* for biological control of 2758
- Scolytidae in, on *Abies* 3047

Idiocerinae, in New Zealand 1086**Idioscopus clypealis**

- control of, insecticides for 3644
- in India 3644
- on mango, in Maharashtra 3644

Idus melanotus

- endosulfan in, toxicity of 2643
- endosulfan metabolites in, toxicity of 2643

Ifeneura, gen. n., description of 6047**Ifeneura oliarana**

- sp. n., description of 6047
- in Nigeria 6047

igniventris, Chrysobothris**ignorata, Dasineura****Ilattia octo**

- in USSR 1872
- on soy bean, in USSR 1872
- parasitised by, *Nemorilla floralis*, in USSR 1872

Ilex aquifolium, extracts of, *Lymantria dispar* feeding responses to 4112**ilia, Apatura****ilicis, Leptoypha****illecebrator, Coccygomimus****Illinois**

- Cerotoma trifurcata* in
 - on lucerne 7357
 - on soy bean 7357
- Diabrotica longicornis* in, on maize 1947
- D. undecimpunctata* in, on soy bean 5608
- D. virgifera* in, on maize 1947
- Diatraea grandiosella* in 6425
- Euschistus tristigmus* in 106, 732

Illinois contd.

- Euxoa detersa* in, on maize 6598
- Hyphantria cunea* in, natural enemies of 475
- Magicicada* spp. in 2675
- Panonychus ulmi* in, on apple 4017
- pesticides and environmental quality in 5771
- Pristiphora erichsonii* in, natural enemies of 3547

Illipe nuts (see *Shorea* (stored nuts))**illoba, Hadenia, (Polia)****illobis, Mamestra****illucens, Hermetia****imagnis, Thrips****Imbrasia cytherea clarki**

- biology of 1506
- in South Africa 1506
- on *Pinus patula*, in South Africa 1506

Imbrasia cytherea cytherea

- in South Africa 559
- parasitised by
 - Hockeria crassa*, in South Africa 559
 - H. nudaureliae*, in South Africa 559

Imbrasia macrops

- in Angola 559
- parasitised by, *Hockeria crassa*, in Angola 559

imbricornis, Prionus**IMC-90007** (see *Bacillus thuringiensis* var. *kurstaki*)**Imidan** (see Phosmet)**1H-Imidazole-4-propanoic acid, α -oxo-**

- in *Argyrotaenia velutinana*, nonutilisation of 1756
- in *Heliothis zea*, nonutilisation of 1756
- in *Phormia regina*, nonutilisation of 1756

1H-Imidazole, in *Heliothis virescens*, γ -irradiation increasing sterilisation by 74**2-Imidazolidinethione**, in *Heliothis virescens*, γ -irradiation increasing sterilisation by 74**imitata, Melanophia****immaculata, Holomelina****immaculata, Scutigerella****immobilis, Acarus****Immune serums**

- to *Baculovirus heliothis* 3145
- to barley yellow dwarf virus, interfering with aphid transmission 3115
- to *Bombyx mori* nuclear polyhedrosis virus 481
- to *Heliothis zea* nuclear polyhedrosis virus 4476
- to *Neodiprion sertifer* nuclear polyhedrosis virus 2208
- to pepper veinal mottle virus 7477

Immunity

- to parasites, in arthropods 4451
- to *Pseudomonas aeruginosa*, in *Galleria mellonella*, effects of cobra venom factor on 6897

Immunoelectrophoresis, for detecting prey antigens in predators 5385

Immunofluorescence (see Fluorescent antibody technique)

imparis, *Prenolepis*

Imperata arundinacea, *Tetraneura radiculicola* on, in West Bengal 6695

Imperata cylindrica

Acrida bicolor on, colour development in 2689

ants associated with, in Papua New Guinea 1270

Lenodora vittata on, in Karnataka 4867

imperfectus, *Pachynematus*

imperialis, *Eacles*

impersonatella, *Diatraea*

impexus, *Scymnus*

importatus, *Opius*

impressicollis, *Alissonotum*

impus, *Spathius*

Inachis io, migration in 2611

inanimus, *Chelonus*

incana, *Ctenicera*, (*Corymbites*)

incana, *Hydrellia*

incarnatus, *Anagrus*

incerta, *Oscinella*

incertulus, *Scirpophaga*

(*Tryporyza*)

incertus, *Tetrastichus*

incisa, *Phytobia*

Incisitermes barretti

sp. nov., description of 5839

in Australia 5839

on *Acacia polystachya*, in Queensland 5839

incisus, *Scaphoideus*

includens, *Pseudoplusia*

inclusa, *Phaenodonia*

inclusum, *Trogoderma*

incompertus, *Austroplatypus*

inconspicua, *Neurotoma*

inconspicua, *Palexorista*, (*Drino*)

inconspicuus, *Eysarcoris*

Incurvariidae

in Irish Republic 4594

in UK 4594

keys to 4594

Indarbela, food-plants of 2867

Indarbela theivora

in India 2108

on tea, in Assam 2108

India

Acanthiophilus helianthi in, on safflower 2080

Acanthopsyche minima in, on *Musa paradisiaca* 2907

Aceria mangiferae in, on mango 7331

Achaea janata in

natural enemies of 2978, 4474

on *Bauhinia purpurea* 6772

on *Phaseolus mungo* 6772

on *Ricinus communis* 885, 4474

India contd.

Acherontia styx in, natural enemies of 1890

Acyrtosiphon gossypii in, on *Sophora tomentosa* 6809

Adoretus spp. in, on grapevine 4887–4888

A. bicolor in, on grapevine 846

Aethus laticollis in

on *Pennisetum typhoides* 3366

on wheat 3366

agricultural pests in 3514

Agrius convolvuli in, natural enemies of 1882

Agrotis spp. in, on potato 3687

A. ipsilon in, on *Orobancha* 901

Alcidodes affaber in

on cotton 3570, 3708

on *Hibiscus* 3570

on okra 3708

A. bubo in, on *Indigofera tinctoria* 3572

A. collaris in, on pulses 7347

A. waltoni on

natural enemies of 2116

on *Ipomoea carnea* 2116

Ampittia dioscorides in, on rice 5510

Amrasca biguttula in

natural enemies of 7193

on cotton 3008

on soy bean 6778

on sunflower 2987

A. devastans in

on eggplant 884

on okra 854, 1439, 2037, 4929, 7335

Amritodus atkinsoni in, on mango 4919

Amsacta lactinea in, on cashew 3618

Anacanthotermes macrocephalus in 4814

Anadevidia peponis in, natural enemies of 7494

Anaphothrips sudanensis in, on maize 7247

Anarsia epotias in, on *Anacardium occidentale* 151

Anomala spp. in 5372

on grapevine 4887

A. bengalensis in, on *Grewia asiatica* 2114

Anomis erosa in

on *Datura* 4371

on *Dolichos lablab* 4371

A. flava in, on okra 4928

Antigastra catalaunalis in

natural enemies of 4971

on sesame 4356

Aonidiella orientalis in, natural enemies of 1908

aphids in 2355, 6449, 7134–7135

natural enemies of 4778, 7205

Aphis craccivora in 503

natural enemies of 1298, 6009

on pea 6775

A. gossypii in 582

India contd.

- Aphis gossypii* in contd.
 natural enemies of 3558, 5233
 on *Agave angustifolia* 2113
 on cotton 894
 on eggplant 884, 2976
 on okra 854, 1439, 2037
 on *Rubus* 5233
 on tomato 3558
Apis cerana in, natural enemies of 4792
Apogonia spp. in, on grapevine 4887
A. uniformis in, on *Grewia asiatica* 2114
Apomecyna saltator in, on *Trichosanthes dioica* 7344
Archipocus spp. in, on mandarin 6753
Argina cribraria in, on *Crotalaria juncea* 6154
Asphondylia spp. in
 natural enemies of 2062
 on *Cyamopsis tetragonoloba* 2062
 on eggplant 5634
A. capsici in
 natural enemies of 7384
 on *Capsicum annuum* 7384
A. sesami in
 natural enemies of 1890, 2982
 on sesame 2979, 2982, 3697
Asura conferta in, on field crops 4762
Athalia lugens in
 on mustard 353
 on radish 356
 on rape 353
Atherigona spp. in, on maize 4842
A. approximata in, on *Pennisetum typhoides* 820, 4830
A. naqvii in, on wheat 7233
A. simplex in, on wheat 4832
A. soccata in, on sorghum 836–837, 4869, 4871, 5520, 6067, 6071–6072
Atractomorpha crenulata in, on sunflower 2081
Autoba olivacea in, on eggplant 2976
Bagrada hilaris in 2048, 7339
 on mustard 353, 858
 on *Pennisetum typhoides* 4269
 on rape 353
Balclutha spp. in
 on grasses 6595
 on *Pennisetum typhoides* 6057
Baliotrips bififormis in, on rice 4857
Belostoma indicum in 6643
Bemisia tabaci in
 on soy bean 1458, 6778
 on tomato 1476, 7478
 on *Trigonella* 4952
Bimba toombii in
 natural enemies of 2709
 on *Coccinia indica* 2709
 biological control in 2750
Blastophaga quadraticeps in, natural enemies of 4603
 bollworms in, on cotton 7391

India contd.

- Brachmia macroscopa* in, on sweet potato 2075
Brachycaudus helichrysi in 946
Brevicoryne brassicae in 7339
 on *Brassica campestris* 7336
Brevipalpus phoenicis in, on sesame 2981
Bruchus pisorum in, on pea 3664
Bryobia praetiosa in, on pear 7318
Byctothrips ayyari in, on *Memecylon lushingtoni* 7044
 cabbage in, pests of 4932
Callantra minax in, on *Citrus* 2031
Camponotus compressus in, natural enemies of 7202
C. ligniperda in, on *Acacia arabica* 6205
Catochrysops strabo in, on *Cajanus cajan* 2061, 4955
 Cecidomyiidae in, on *Madhuca longifolia* 7386
Cerococcus hibisci in
 natural enemies of 3732
 on *Hibiscus rosa-sinensis* 3732
Ceutorhynchus asperulus in
 on *Amaranthus* 3676
 on *Cajanus cajan* 3676
 Chalcidoidea in 5830
Chauliops fallax in, on pulses 1453, 7348
Chilo spp. in, natural enemies of 1882
C. auricilius in
 natural enemies of 6694
 on sugar-cane 7221
C. infuscatellus in
 natural enemies of 3363
 on sugar-cane 3363, 6667, 7609
C. partellus in
 on maize 1946, 2771, 4840, 7248
 on sorghum 2771, 4871
C. sacchariphagus in, on sugar-cane 814
Chrysodeixis chalcites in, natural enemies of 6882
 Cicadellidae in, on cotton 7391
Cnaphalocrocis medinalis in
 natural enemies of 2798, 4793
 on *Oryza* 832
 on *Pennisetum pedicellatum* 7216
 on rice 827, 832, 1963, 2798, 2800, 3291, 4846–4847, 4857
 Coccidae in, natural enemies of 1909
Coccidohystrix insolita in
 on eggplant 6178
 on *Solanum* 6178
Coccus viridis in, on coffee 6799–6800, 7405
Cochlochila bullita in, on *Coleus parviflorus* 7363
 coconut in, pests of 3613
 coffee in, insect pests of 6198
Contarinia sorghicola in
 natural enemies of 6009
 on sorghum 6070, 6699

India contd.

- Corythauma ayyari* in, on *Jasminum sambac* 3029
- cotton in
insect pests of 6188
pests of 1484
- Crocidolomia binotalis* in 6147
- Cryptoblabes gnidiella* in, on sorghum 6068
- Cyaneolytta acteon* in
on maize 4829
on *Pennisetum typhoides* 4829
- Cydia pseudonectis* in, natural enemies of 7203
- Cylas formicarius* in, on sweet potato 2969, 6788
- Cyperus rotundus* in, natural enemies of 1322
- Dactylopius opuntiae* in, on *Opuntia* 555
- Dacus correctus* in
on *Achras zapota* 7326
on mango 7326
- Dasineura lini* in, on flax 1118
- Dasychira mendosa* in, natural enemies of 5070, 7492
- Delphacidae in 2324
- Diacrisia obliqua* in
natural enemies of 1583, 6641
on globe artichoke 5429
on jute 2059
on radish 2045
on soy bean 863, 2059
- Dialeurodes citri* in
on *Albizia lebbek* 6649
on *Citrus* 2026, 5584
- Dialeuropora decempunctata* in, on guava 7330
- Diaphorina citri* in
on *Murraya paniculata* 6803
on orange 341
- Dichocrocis punctiferalis* in, on *Ricinus communis* 885
- Dinoderus ocellaris* in, in furniture 6321
- Dioryctria abietella* in, natural enemies of 5449
- Dorylus orientalis* in 6610
- Drosicha mangiferae* in, on mango 1436
- Dysdercus cingulatus* in
on *Chrozophora rottleri* 4818
on *Thespesia* 2115
on *Trichodesma amplexicaule* 4818
on weeds 7215
- D. koenigii* in
natural enemies of 2728
on cotton 394, 2728
on sorghum 6075
- Earias* spp. in
on cotton 393, 3003, 3008
on okra 4929
- E. insulana* in, on cotton 2095
- E. vittella* in
natural enemies of 6896

India contd.

- Earias vittella* in *contd.*
on cotton 2093
on okra 6896
- Empoasca kerri* in 6770, 7345
on soy bean 6778
on *Vigna unguiculata* 7355
- Ephestia cautella* in
in chilli pepper 3092
in onions 4432
in stored garlic 3093
in stored mushrooms 5399
- Epicauta* spp. in
on eggplant 7332
on soy bean 7332
- Eriophyes hibisci* in, on *Hibiscus* 1727
- Eriosoma lanigerum* in, natural enemies of 3544
- Etiella zinckenella* in, on pea 2929, 6775
- Euchromia polymena* in, on sweet potato 1471
- Eucosma pylonitis* in, natural enemies of 5449
- Eulecanium tiliae* in
on apple 2873
on plum 2873
- Eumerus* spp. in, in imported narcissus bulbs 6199
- Euphysothrips minozzii* in, on groundnut rust 6781
- Euproctis fraterna* in 4653
on *Ziziphus jujuba* 852
on *Ziziphus xylopyra* 852
- E. virguncula* in, on grain crops 1345
- Eupterote canaraica* in, on coffee 3020
- Exelastis atomosa* in 6770
on *Cajanus cajan* 4955
- Ferrisia virgata* in, on *Parthenium hysterophorus* 6654
- flour mills in, insect pests in 1562
- forests in, pest control in 2127
- Galeatus scrophicus* in, on sunflower 1482
- Gangara thyrsis* in
on coconut 2667
on ornamental plants 2667
- Gastrallus indicus* in, in books 5068
- grain crops in, postharvest losses of 6316
- Gryllinae in 6439
- Gurawa* spp. in, on grasses 6595
- Habrochila laeta* in, on *Barleria cristata* 3733
- Haplothrips gowdeyi* in, on *Gaillardia* 4715
- Heliethis armigera* in 6770
on *Cajanus cajan* 4955, 6164, 7360
on *Cicer arietinum* 2983
on cotton 5337
on maize 824
on safflower 2983
on sorghum 6069
on tomato 6176

India contd.

- Heliothis armigera* in contd.
on *Trifolium* 7282
- H. peltigera* in, on *Acanthospermum hispidum* 4819
- Hellula undalis* in, on cabbage 857
- Helopeltis antonii* in, on cashew 7298
- Henosepilachna vigintioctopunctata* in, natural enemies of 1299
- Hieroglyphus nigrorepletus* in 6603
natural enemies of 2813
on *Pennisetum typhoides* 7231
on rice 2813
- Hydrellia philippina* in, natural enemies of 4794
- H. sasakii* in, on rice 4866
- Hymenia recurvalis* in, on *Amaranthus viridis* 7333
- Hysteroneura setariae* in, on *Eleusine coracana* 2797
- Icerya pilosa* in
natural enemies of 818
on sugar-cane 818
- I. seychellarum* in, on *Croton* 7385
- Ildoscopus clypealis* in, on mango 3644
- imported plants in, insects intercepted on 2274
- Indarbela* spp. in 2867
- Kerria lacca* in, on *Polyscias* 7406
- Lachnosterna* spp. in 5372
natural enemies of 4958
- L. consanguinea* in
on *Grewia asiatica* 2114
on groundnut 7362
on winter crops 999
- L. serrata* in, on sugar-cane 5123
- Lampides boeticus* in, on pea 2051
- Lamprosema diemenalis* in, on soy bean 4951
- Lasioderma serricorne* in, in stored mushrooms 5399
- Latoia lepida* in
natural enemies of 6754
on mango 6754
- Leiodynychus krameri* in, in stored grain 5055
- Lenodora vittata* in
on *Imperata cylindrica* 4867
on rice 4867
- Lepidoptera in, on sorghum 4277
- Leucinodes orbonalis* in
on eggplant 884, 2976, 3694, 5329
on potato 7373
- Lipaphis erysimi* in 7339
on *Brassica* 348
on *Brassica juncea* 348, 3080
on cabbage 857
on mustard 353, 858
on rape 353
- Liriomyza brassicae* in 3519
- Longitarsus nigripennis* in, on *Piper nigrum* 1928

India contd.

- Ludwigia adscendens* in, natural enemies of 1322
- Lyctus africanus* in, in furniture 6321
- Lymantria* spp. in
natural enemies of 1087
on *Ficus religiosa* 1087
- L. obfusca* in
natural enemies of 3720
on cacao 3719-3720
- Maconellicoccus hirsutus* in
natural enemies of 4973
on roselle 4973
- Macrosiphum avenae* in 946
- M. rosae* in, on rose 3024
- Madurasia obscurella* in 6770, 7345
- maize in, arthropod pests of 6683
- Maladera* spp. in 159
- Maniella delhiensis* in, natural enemies of 4603
- Marasmia suspicalis* in
natural enemies of 1342
on sugar-cane 1342
- M. trapezalis* in, on *Brachiaria mutica* 3569
- Maruca testulalis* in, on *Cajanus cajan* 6164
- Melanagromyza hibisci* in
natural enemies of 6893
on okra 6893
- M. obtusa* in, on *Cajanus cajan* 2060, 6164
- Melanaspis glomerata* in, on sugar-cane 1274
- Membracidae in 7047
- Metacanthus pertenerus* in, on lucerne 6595
- Metanastria hyrtaca* in, on *Anacardium occidentale* 2010
- Mimastra cyanura* in, on mulberry 7177
- Mocis frugalis* in
natural enemies of 3578
on grain crops 3578
- M. undata* in, natural enemies of 4786
- Monopis leuconeurella* in
on *Anacardium occidentale* 151
on mango 3643
- Mycoposylla gardenensis* in, on *Ficus tomentosa* 5575
- Mylabris pustulata* in, on *Tecoma stans* 3731
- Myllocerus* spp. in
on jute 2097
on soy bean 6778
- M. undecimpustulatus* in
on cotton 3008, 3713
on eggplant 3713
on soy bean 6160
- Mythimna separata* in, on *Eleusine coracana* 6686
- Neostauropus alternus* in, on *Achras zapota* 4917

India contd.

- Nephantis serinopa* in natural enemies of 1914, 3614
on coconut 3614
on coconut 149, 311, 1914
on sugar-cane 6640
- Nephotettix nigropictus* in, natural enemies of 4863
- N. virescens* in natural enemies of 4863, 6694
on rice 6693, 7265
- Nezara viridula* in natural enemies of 4950
on sorghum 6075
on *Vigna unguiculata* 7355
- Nilaparvata lugens* in natural enemies of 289, 4863-4864, 7263-7264
on rice 289, 1964, 2805, 4851, 6696
- Nipaecoccus* spp. in, natural enemies of 2337
- N. vastator* in, on soy bean 2057
- Numicia maculosa* in, on sugar-cane 6999
- Nysius ericae* in, on lucerne 6595
- Oberea brevis* in, on soy bean 4340, 6160
- Obuloides rajamohani* in, on *Hibiscus* 1727
- Odoiporus longicollis* in, on banana 2033
- Odontotermes obesus* in, natural enemies of 7202
- Oedaleus abruptus* in 7172
- O. senegalensis* in 3527
- Oligonychus* spp. in, on rice 5513
- O. indicus* in, on sorghum 7275
- O. mangiferus* in natural enemies of 1296
on mango 1296
- Ophiomyia phaseoli* in 6770, 7345
on soy bean 6160, 6778
- Ophiusa tirhaca* in on pomegranate 3516
on *Rosa indica* 3516
- Orosius albicinctus* in, on sesame 887
- Orseolia oryzae* in, on rice 1962, 2799, 4858, 4866, 6064, 6689, 7271, 7274
- Ostrinia kasmirica* in, natural enemies of 3143
- Oxyrhachis* spp. in, natural enemies of 2337
- O. tarandus* in natural enemies of 6436
on *Acacia arabica* 6205
on *Cassia fistula* 6436
- Pachytiplosis oryzae* in, on weeds 290
- Pachypeltis politum* in on eggplant 7383
on *Piper betle* 7383
- Pachyrhinadoretus rugipennis* in, on grapevine 4888
- Palpita indica* in, on cucurbits 4334
- Paracopium* spp. in, on grasses 6595

India contd.

- Paragus serratus* in, natural enemies of 6009
- Parnara* spp. in, natural enemies of 6694
- P. naso* in, on rice 5510
- Passalidae in, in timber 452
- Pauropsylla depressa* in, on *Ficus glomerata* 5575
- Pectinophora gossypiella* in, on cotton 393, 2095, 3008, 3905, 4116
- Pelopidas mathias* in, on rice 5510
- Pempherulus affinis* in, on cotton 3004, 6187
- Pemphigus bursarius* in on Compositae 6825
on *Populus* 6825
- Pericallia ricini* in natural enemies of 950
on *Ricinus communis* 950
- Perina nuda* in natural enemies of 5464
on fig 5464
- pesticide use in, in stored grain 6274
- pests of tea in, natural enemies of 405
- Phthorimaea operculella* in in stored potatoes 4430
natural enemies of 1278
on potato 376, 4430, 4649
- Phycita infusella* in, on cotton 6795
- Phytomyza horticola* in natural enemies of 855
on crucifers 855
on mustard 354
on pea 2929, 6775
on *Vigna unguiculata* 7355
- Pineus* spp. in natural enemies of 1282
on *Pinus* 1282
- Pingasa ruginaria* in, on *Anacardium occidentale* 3618
- Pistia stratiotes* in, natural enemies of 1322
- Planococcus citri* in, on coffee 7405
- Platyasteridae in 5831
- Platyepelus aprobola* in, on guava 7330
- Placaederus ferrugineus* in, on *Anacardium occidentale* 150
- Plutella xylostella* in on *Amaranthus viridis* 7333
on cabbage 857, 7609
on cauliflower 2044
- Podontia quattuordecimpunctata* in, on hogplum 7327
- Poekilocerus pictus* in 7169
natural enemies of 4779
on *Carica papaya* 1401
on grapevine 1401
- Polistes olivaceus* in, on *Ziziphus mauritiana* 7181
- Popillia complanata* in, on *Anacardium occidentale* 3618

India contd.

- Psalis pennatula* in
on eggplant 6790
on rice 6692
- Pseudonapomyza asiatica* in 3519
- Pytelus sexvittatus* in 2371
- Pyrausta machaeralis* in
on teak 4087
on *Tectona grandis* 7438
- Pyrilla perpusilla* in
on sugar-cane 5482
on wheat 5482
- Quadraspidiotus perniciosus* in, on apple 328
- Raolella indica* in, natural enemies of 7286
- R. macfarlanei* in, on *Syzygium jambas* 3634
- Rastrococcus* spp. in, natural enemies of 2337
- Rhinyptia laeviceps* in, on *Pennisetum typhoides* 4873
- Rhipiphorothrips cruentatus* in
natural enemies of 6639
on rose 6639
- Rhizoglyphus echinopus* in, in imported narcissus bulbs 6199
- Rhopalosiphum maidis* in, on *Pennisetum purpureum* 4874
- R. padi* in 946
- Rhynchophorus ferrugineus* in, on coconut 147, 1387, 6089
- Rhyzopertha dominica* in, in stored rice 3783
- rice in
insect pests of 6690
pests of 828, 4848
- rice stalk-borers in, natural enemies of 3595
- Sagra nigrita* in
on *Dolichos lablab* 3657
on *Phaseolus lunatus* 3657
- Saissetia coffeae* in, on coffee 7405
- Sathrobrotia simplex* in, on cotton 393
- Scarabaeidae in, natural enemies of 3369
- Scelionidae in 5831
- Schistocerca americana* in 1264, 4752
natural enemies of 1262, 4750
on *Tribulus* 1258
- Schizonycha* spp. in, on *Grewia asiatica* 2114
- S. ruficollis* in, on grapevine 4887-4888
- Schizotetranychus andropogoni* in
natural enemies of 5513
on rice 5513
- Sciara hirtilineata* in
in stored avocados 7323
natural enemies of 7323
- Scirpophaga incertulas* in
natural enemies of 5512, 6694
on rice 3599, 4857, 4861, 5512, 7609
- Scirtothrips bispinosus* in, on tea 4991

India contd.

- Scopula remotata* in, on soy bean 866
- Selenothrips rubrocinctus* in 2676
- Selepa docilis* in, on eggplant 1478
- sesame in, pests of 888
- Sinoxylon anale* in, in furniture 6321
- Sitophilus oryzae* in
in stored rice 3783
natural enemies of 7192
- Sitotroga cerealella* in, in stored rice 1675, 3783
- Sogatella furcifera* in
natural enemies of 7264
on rice 4863, 6693
- Solenopsis geminata* in, natural enemies of 7202
- soy bean in, pests of 6777
- soy-bean seeds in, pests of 6777
- Spodoptera littoralis* in, natural enemies of 6886
- S. litura* in
natural enemies of 4787, 6886
on cauliflower 2045
on *Gladiolus* 5429
on *Ricinus communis* 885-886
on rose 3730
on tobacco 2099
- Stegobium paniceum* in, in stored mushrooms 5399
- stem-borers in, on rice 1357
- Stephanitis typica* in
on coconut 7288
on oil palm 7288
- stored products in, insects associated with 1549
- stored products pests in 3514
- stored wheat in, insect pests of 4437
- Streblote siva* in, on guava 2035
- sugar-cane in, pests of 233
- Sundapteryx biguttula* in, on eggplant 1477
- sunflower in, pests of 2985
- Sylepta derogata* in, on cotton 4980, 6185
- Taeniothrips* spp. in, on Chinese cabbage 4715
- tea in, pests of 405, 2108, 3022
- Telicota ohara* in, on rice 5510
- termites in, in wheat fields 3582
- Tetraneura nigriabdominalis* in
on *Eleusine coracana* 286
on *Eragrostis trena* 286
on sorghum 286
- T. radicola* in, on rice 6695
- Tetranychus ludeni* in
on *Cyamopsis tetragonoloba* 3805
on *Dolichos lablab* 3805
- T. neocaledonicus* in
on eggplant 2975, 4920
on okra 4920
on *Phaseolus aureus* 5387
- T. urticae* in, on cassava 2970

India contd.

- Tetrastichus* spp. in 5829
Therioaphis ononidis in, natural enemies of 1298
T. trifolii in
 natural enemies of 3558
 on lucerne 3558, 6595
Thrips spp. in 4715
T. tabaci in, on cotton 893
Thysanoptera in 7028
Trabala vishnou in 158
Trachys herilla in, on okra 3648
Trialeurodes rara in, on *Ricinus communis* 2078
T. vaporariorum in
 on soy bean 5632
 on tomato 5632
Tribolium castaneum in 5046–5047
 in gur 2181
 in stored mushrooms 5399
Trichoplusia ni in, on cabbage 857
Trioza spp. in, on *Ficus religiosa* 5575
T. jambolanae in, on *Eugenia jambolana* 4916
Trogoderma granarium in
 in stored mushrooms 5399
 in stored wheat 5051
 natural enemies of 6315
Tropicomyia theae in 3519
Tryporyza incertulas in, on rice 1357, 2799
T. nivella in
 natural enemies of 3576
 on sugar-cane 267, 3576
Udaspes folus in
 on ginger 6030
 on turmeric 6030
Utetheisa pulchella in, on *Crotalaria juncea* 4378
Virachola isocrates in, on *Phyllanthus emblica* 7328
Xylosandrus compactus in, on coffee 7405
Xylotrupes gideon in, on *Indigofera teysmanni* 5477
Zeuzera coffeae in, on cacao 3718
Indian ink, as sunlight protectant for virus formulations 3135
- Indiana**
 aphids in, in soy-bean fields 7359
 arthropods of economic importance in 7161
Bellura gortynoides in
 natural enemies of 2205
 on *Nuphar advena* 2205
Coryphista meadii in, on *Berberis* 409
Diatraea grandiosella in 6425
 on maize 6055
Ensifera in 2362
Eriosoma americanum in
 natural enemies of 7012
 on *Ulmus* 7012

Indiana contd.

- Hypera postica* in, natural enemies of 652
 lucerne in, pest control on 4515
Oulema melanopus in 778
Panonychus ulmi in, on apple 3629
Rhagoletis pomonella in, on apple 3621
Xylobiops basilaris in, damaging lead cable-sheathing 1572
- indica, Apis cerana**
indica, Brachygrammatella
indica, Neocypholaelaps
indica, Ophionia
indica, Palpita, (Diaphania)
 (Margaronia)
indica, Raoiella
indica, Treatia
indicata, Hedylepta
indicola, Cassida
indicola, Heterotermes
indicum, Belostoma
indicus, Chilo sacchariphagus
indicus, Dactylopius (see *D. ceylonicus*)
indicus, Dineutus
indicus, Dolycoris
indicus, Episphenus, (Basilianus)
indicus, Gastrallus
indicus, Mepachymerus giganteus
indicus, Oligonychus
indicus, Trioxy
indifferens, Rhagoletis
indigenus, Harpalus
Indigo, Sumatrana (see *Indigofera tinctoria*)
Indigofera sumatrana (see *I. tinctoria*)
Indigofera teysmanni, Xylotrupes gideon on,
 in Assam 5477
Indigofera tinctoria
Alcidodes bubo on
 damage caused by 3572
 in Karnataka 3572
1H-Indole-3-acetic acid (see IAA)
1H-Indole-3-butanoic acid (see IBA)
1H-Indole-3-ethanamine, in *Schistocerca americana*, selective uptake by brain of 6498
1H-Indole-3-propanoic acid, α -oxo-
 in *Argyrotaenia velutinana*, nonutilisation of 1756
 in *Heliothis zea*, nonutilisation of 1756
 in *Phormia regina*, nonutilisation of 1756
1H-Indole, 3-methyl-, attractant for,
Aphodius tasmaniae 4584
1H-Indol-5-ol, 3-(2-aminoethyl)-
 in *Diparopsis castanea*, effects of reserpine on 4688
 in *Locusta migratoria*, effects on cardiac rhythm of 4646
- Indonesia**
 agricultural entomology in 712
Agrotis ipsilon in
 on cabbage 728
 on maize 728

Subject Index

Indonesia contd.

Chilo spp. in

natural enemies of 250

on sugar-cane 250

C. suppressalis in, on rice 715*Cnaphalocrocis medinalis* in, on rice 716*Crociodolomia binotalis* in, on cabbage 730*Diaphorina citri* in, on *Citrus* 727*Erionota thrax* in, on banana 726

Lepidoptera in, natural enemies of 5450

Leptocoris acuta in, on rice 7272*Neotermes tectonae* in, on *Tectona grandis* 5043*Nephotettix virescens* in, on rice 724, 7257*Ophiomyia phaseoli* inon *Phaseolus vulgaris* 729

on soy bean 729

Orseolia oryzae in

natural enemies of 7270

on rice 1950, 7270

Pachydiplosis oryzae in, on rice 714, 719*Plutella xylostella* in, on cabbage 730

rice in

pest control on 718

pests of 713

rice stalk-borers in, natural enemies of 3595

rice stem borers in, on rice 714, 716, 719

Scirpophaga incertulas in, on rice 1950, 7266

Scolytidae in, on coffee 3482

stored rice in, insect pests of 6295

Sufetula spp. in, on oil palm 4452*S. sunidesalis* in, on oil palm 6711

Tetranychidae in 5371

Tryporyza incertulas in, on rice 715, 720*T. innotata* in, on rice 1950*Xyleutes ceramicus* in, on *Tectona grandis* 5044*Indoplanorbis exustus*, carbamates in, fate of 5785*indosacchari, Melanaphis**inermis, Papuana*

Inert atmospheres (see Protective atmospheres)

*infelix, Encyrtus**inferens, Sesamia**infesta, Casinaria**infestans, Triatoma**infidus, Encyrtus*

Infrasound

effects of, on

Callosobruchus maculatus 7119*Oryzaephilus mercator* 7119*O. surinamensis* 7119*Tribolium castaneum* 1192*T. confusum* 1192*infusata, Allotria victrix* (see *Alloxysta brassicae*)*infusata, Alloxysta* (see *A. brassicae*)*infuscatellus, Chilo*(*Chilotraea*)*infuscatus, Limonius**infusella, Phycita**ingens, Cydia*, (*Laspeyresia*)*ingrata, Erythroneura**inicolor, Agathis**inimica, Endria**innotata, Tryporyza**Ino ampelophaga* (see *Theresimima*)*Inocellia*

biology of 2468

distribution of 2468

hyperparasites of, in Europe 2468

parasites of, in Europe 2468

preying on, aphids, in Italy 1407

Inokosterone (see Cholest-7-en-6-one,

2,3,14,20,22,26-hexahydroxy-,

(2 β ,3 β ,5 β ,22R,25R)-, with(2 β ,3 β ,5 β ,22R,25S)-2,3,14,20,22,26-

hexahydroxycholest-7-en-6-one)

Inopus flavus

biology of 5483

in Australia 5483

instar determination in 5238

on maize, development of 5483

taxonomy of, characters for 5238

Inopus rubriceps

biology of 240, 5483

control of

crop management for 3195

insecticides for 3193-3195

flight activity in 1182

in Australia 240, 254, 5483

in New Zealand 254, 2268, 3193-3195

in USA 1182

in pastures

damage caused by 2268

in New Zealand 2268, 3193-3195

instar determination in 5238

Metarhizium anisopliae in, in Queensland 254

on maize, development of 5483

on *Pennisetum clandestinum*, in New

South Wales 240

on sugar-cane, in New South Wales 240, 254

parasitised by

Neurogalesus militis, in New South Wales 254*N. onopodos*, in New South Wales 254

preyed on by

fish, in New South Wales 240

Hirundo neoxena, in New South Wales 254*Potamalosia richmondia*, in New South Wales 254

swallow, in New South Wales 240

taxonomy of, characters for 5238

traps for 1182

myo-Inositol

diet component for

Ephialtes roborator 663*Oryzaephilus mercator* 2418*Sitophilus oryzae* 1757*Spodoptera exigua* 5923*Phthorimaea operculella* feeding responses to 3683*Tetranychus urticae* feeding responses to 1710**Inostemma contariniae**

in France 1984

parasitising, *Contarinia medicaginis*, in France 1984**inquilinobombus, Parasitus****inquirenda, Prospaltella****inquisitor, Calosoma****inquisitor, Gregopimpla, (Pimpla)****inquisitor, Rhagium****insana, Conomyrma****Insect growth regulators**

bioassay for

in *Galleria* 1857in *Tenebrio molitor* 3102

books on 4061

for studying insect development 6458

in *Apis mellifera*, effects of 6977in *Bracon hebetor*, effects on egg production of 1770in *Dasineura laticis*, effects on emergence of 1774in *Macrosiphum euphorbiae*, sensitivity of morphs to 5766

in model ecosystems, ecological effects of 7642

in *Musca domestica*, enzyme induction by 1655

in parasites, effects of 5183

in *Pesma quadratum*, effects on virus transmission of 3809in *Plodia interpunctella*, effects on larval-pupal ecdysis of 1134in *Spodoptera littoralis*

cross-resistance to 7651

effects of diet on susceptibility of 4671

effects on larval development of 1133

morphogenetic activity of 1132

in wheat grain, metabolism of 6936

insect control using 52, 440, 1601, 1631, 2258, 2442, 3162, 3892, 4065, 5298, 7622

resistance to 1654, 2444

substances tested as:

Acorus calamus rhizome oil 1678

analogues of alkyl

trimethyldodecadienoates 6937

aryl geranyl ethers 594

bisthiolcarbamates 6940

JH analogues lacking some alkyl substituents 2445

oxa analogues of farnesane-type

juvenoids 6938

Insect growth regulators contd.

substances tested as: contd.

plant extracts 4064

steroidal allenes 7053

terpenoid ethers 1003

synergists for 5183

Insect phenology 647**insecticeps, Oedothorax****Insecticide resistance 111**

biochemical genetics of 5969

books on 5255

mechanisms of 1653

Insecticide 6538 (see Quinalphos)**Insecticide 6607 (see Phosphoramidic acid, (1-methylethyl)-, methyl 4-nitrophenyl ester)****Insecticide 13005 (see Methidathion)****Insecticides**

application rates of 5770

as pollutants 2637

determination of 3881, 7616

fluorescence spectroscopy for 6391

thin-layer chromatography for 6391

emulsifying agents for 1016

environmental aspects of 3340

environmental pollution with 5153, 6952

formulations of 1614, 1627, 2279

impact on society and environment of 7634

in air, residues of 3884

in aquatic ecosystems, non-target effects of 3890

in beneficial arthropods, effects of 5806

in biosphere, residues of 7643

in crop plants, residues of 5141

in food crops, determination of 6562

in foodstuffs

effects of processing on residues of 3880

residues of 5141

in insects, metabolism of 3336

in lakes, residues of 3889

in man, accumulation of 1697

in model ecosystems, ecological effects of 7642

in municipal waste, effects of composting on 7645

in orange, effects of 3640

in plants

metabolism of 7615

residues of 525

in soil

degradation of 7615

persistence of 1699

residues of 3889

in stored grain, metabolism of 6942

in sugar-beet, effects of 5614

in vertebrates, metabolism of 3336

photodegradation of 5163

projected use of 7619

research on 6950

selectivity of 6370, 6916, 7560

Insecticides *contd.*

- side-effects of 1604
- standardisation of 5942
- substances tested as:
 - amiton analogues 5889
 - chlorinated cyclodienes 7597
 - dill extracts 1649
 - fungal extracts 227, 4549
 - halopyrethroids 6953
 - heterocyclic (thio)phosphates 5773
 - inhibitors of choline acetyltransferase 5788
 - Mentha spicata* leaf powder 1566
 - monothioquinol phosphate esters and related compounds 4541
 - Nicotiana rustica* alkaloids 5184
 - OP esters of pyridazinones 6962-6963
 - Orthene analogues 1008
 - 1-phenyl-3-benzoylureas and 1-phenyl-3-benzoyl-2-thioureas 6394
 - plant materials 6033
 - plant products 937
 - sulfenylated formamides 7606
 - tenuazonic acid derivatives 5190
 - 3-thiophanone *O*
 - (methylcarbamoyl)oximes 1023
 - 3-(thiophosphorylimino)oxazolidines and related compounds 1009
 - α,α,α -trifluoroacetophenone oxime carbamates and thiophosphates 1034
 - toxicological aspects of 3334, 3339, 5165, 5168
 - use of, in Denmark, restrictions on 6956

Insectistics (see Insect growth regulators)**Insects**

- aggregation pheromones in, functions of 2411
- analysis of wing beat in 1807
- books on 7104
- chemical control of 2258
- chemosensory organs in 7075
- circadian rhythms in 7052
- control of
 - hormones for 52
 - plant breeding and genetics for 6368
 - role of IOBC in 2640
- effects on human societies and welfare of 4589
- EPPO quarantine lists for 3875
- feeding in, regulatory mechanisms in 2389
- flight in 4117
 - books on 6596
- gene activity in 2392
- grooming systems in 4105
- hemolymph in, cytophysiology of 2390
- hormones in 4061
- in stored products, damage caused by 7625
- insecticides in, metabolism of 3336
- instars in, definition of 7038-7039

Insects *contd.*

- muscle in 2429
- nematodes in 2732
- neurosecretory hormones in 4068
- olfactory stimulation in 4056
- on plants, hairs and resistance to 4517
- oocyte-nurse cell syncytium in 2391
- parasitoid host selection in 5968
- pathogens of, defence mechanisms against 4451
- phagocytosis in 942
- phoresy in 5976
- photoperiodism in 7052
- physiology of, books on 4036, 5255
- plant resistance to 6366-6367
- radiosensitivity of 6597
- recycling of animal waste into feedstuffs by 3513
- reproduction in, role of male accessory glands in 5970
- seasonality in 5967
- sex pheromones of, functions of 2411
- stepped photoperiodic reactions in 2516
- sterols in, effects of gut symbionts on 5859
- weight vs. length relationship in 6559
- insertum, Rhopalosiphum*
- insidiosus, Orius*
- insignis, Aspilota*
- insignis, Elachiptera*
- insignis, Passalococcus*
- insitus, Ovatus*
- insolita, Coccidohystrix*
- insolitus, Centrocooccus* (see *Coccidohystrix insolita*)
- insperatus, Sophrorhinus*
- instigator, Pimpla*
- insulae, Chelura*
- insulana, Earias*
- insulare, Megymenum*
- insularis, Blissus*
- insularis, Capritrrips*
- insularis, Cotterellia*
- insularis, Frankliniella*
- insularis, Lachnosterna*, (*Holotrichia*)
- insularis, Neotermes*
- insularis, Vitellus*
- Insulaspis gloverii*
 - Aschersonia* spp. in, in Nigeria 3635
 - biology of 3635, 5100
 - descriptions of 3635
 - in Nigeria 3635
 - on *Citrus*, in West Africa 5100
 - on orange, in Nigeria 3635
 - preyed on by, *Pharoscyrmus tetrastictus*, in Nigeria 3635
- Insulaspis newsteadi*
 - in USSR 6808
 - on conifers, in Caucasus 6808
- insulata, Ammalo*
- insulicola, Cyclocephala*
- integer, Gryllus*

Integrated control

- in West Germany 7533
 of arthropods 3158, 3863, 4513, 4589,
 5116–5117, 5742
Acherontia styx 1890
Aculus fockeui, on plum 4910
Acyrtosiphon pisum 2262
Adoxophyes orana, on apple 7617
Agrotis spp. 1194
Amrasca devastans 3179
 aphids 1407
 on trees 5035
Castnia licus, on sugar-cane 4824
Chaetocnema breviuscula 1194
C. tibialis 1194
Chloropulvinaria aurantii 339, 3850
 coconut pests 3613
Contarinia tritici 3581
Coraeus florentinus 4409
Cydia molesta 2887
C. pactolana, on *Picea* 5663
C. pomonella 796, 2881
 on apple 7309
Ephestia kuehniella 3857
 garden pests 2591
Heliothis zea 110
Hyalopterus amygdali 3837
Hylemya brassicae 4512
H. platura 4512
Hylurgopinus rufipes 3736
Hyphantria cunea in 4706
Hypsipyla grandella 3078
 Lepidoptera 6906
Lymantria dispar 2263, 4566, 5448
Mahanarva fimbriolata, on sugar-cane
 4824
M. posticata, on sugar-cane 4824
Mamestra brassicae, on cabbage 7343
Melanaphis sacchari 5952
Myzus persicae 3837, 6906, 7580
Nasutitermes exitiosus 1316
Nephotettix cincticeps 2544
Orgyia antiqua, on *Picea* 5663
Ostrinia nubilalis, on maize 5497,
 6680
Panonychus citri 339, 3850
P. ulmi
 on apple 4313, 7309, 7617
 on plum 4910
 pests of apple 6722, 6730, 7285
 pests of *Brassica* 5113
 pests of cabbage 7340
 pests of cacao 1492, 7402–7403
 pests of *Citrus* 6748
 pests of cotton 1642, 2579, 6182
 pests of grain crops 5113
 pests of grapevine 5113
 pests of hop 6662
 pests of olive 6140
 pests of orchards 1642
 pests of pear 6733
 pests of *Pinus* 5113

Integrated control contd.

- of arthropods contd.
 pests of potato 6785
 pests of rice 6063
 pests of stored products 6242
 pests of tomato 6919
 pests of vegetable crops 6757
Pieris brassicae 3857
 on cabbage 7343
Plutella xylostella 667
 on cabbage 7343
Psila rosae 4512
Sciara spp. 4512
Scolytus multistriatus 3736
Sitodiplosis mosellana 3581
Spodoptera littoralis 1637
S. litura 1473
Stigmella malella, on apple 7617
Tanymecus dilaticollis 1194
Tetranychus cinnabarinus 5950
T. mcdanieli, on plum 4910
 thrips 5955
Trialeurodes vaporariorum 4512
Trichoplusia ni 110
Unaspis yanonensis 339, 3850
Wiseana cervinata 1977
 advantages of 7635
 economic aspects of 1642
 entomophagous arthropods for 5114
 in Canada 4514
 in Latin America 6350
Phytoseiulus persimilis for 798
 studies relating to 3204
 use of pheromones in 7558
 viruses for 487
 of orchard pests 7534–7546, 7548–7552,
 7555, 7559, 7563
 review of 7531
integriceps, *Eurygaster*
interjectana, *Cnephasia*
intermedia, *Brachymeria*
intermedia, *Pherbina*
intermedia, *Sceptrothelys*
intermedius, *Aeolothrips*
intermedius, *Diglyphus*
intermedius, *Dysdercus*
intermedius, *Schedorhinotermes*
intermittens, *Agromyza*
 International Organization for Biological
 Control 7684
 International Plant Protection Convention
 4526
interpunctella, *Plodia*
interrupta, *Actia*
interruptor, *Temelucha*
interruptus, *Scymnus*
intonsa, *Frankliniella*
Intox (see *Chlordane*)
intractata, *Himella*
 Intration (see *Thiometon*)

- Intration-S** (see Phosphorodithioic acid, S [2-(ethylsulfinyl)ethyl] O,O-dimethyl ester)
- intricata, Oncopera**
- intricata, Oxya**
- Inula helenium**
Haplothrips reuteri on, in Bulgaria 1333
H. setiger on, in Bulgaria 1333
- Inulinase**
 in Acridid guts 5866
 in *Locusta migratoria* gut, not found 739
- inunctus, Elachertus, (Tetrastichus)**
- inversus, Sericothrips**
- Invertase** (see Fructofuranosidase, β -)
- investigator, Calosoma**
- invicta, Solenopsis**
- invidus, Tetrastichus**
- invirae, Opsiphanes**
- invisor, Phaeogenes**
- Invreia mirabilis**
 in USA 3678
 parasitising
Elasmopalpus lignosellus, in Oklahoma 3678
Stegasta basqueella, in Oklahoma 3678
- io, Inachis**
- Iodine**, in *Brassica juncea*, effects of
Lipaphis erysimi on 3080
- Iodine, radioactive (^{131}I), Coptotermes formosanus** labelled with 6646
- Iodofenphos** (O-(2,5-dichloro-4-iodophenyl) O,O-dimethyl phosphorothioate)
 against
Lasioderma serricorne 1547
 pests of stored products 6283
 pests of wool textiles 6254
Psila rosae, on carrot 3946
Rhyzopertha dominica 1669
Sitophilus zeamais 1672
Tribolium castaneum 5046, 6923
 formulations of, with charcoal 3924
 with γ -BHC, against, *Rhyzopertha dominica* 1669
 with carbaryl, against, *Rhyzopertha dominica* 1669
 with trichlorphon, against, *Rhyzopertha dominica* 1669
- Iowa**
 agricultural pests in, natural enemies of 6362
Argyrotaenia velutinana in 3461
 Carabidae in 2705
 catfish in, dieldrin residues in 7671
Diabrotica virgifera in, on maize 2788
 lucerne in, pests of 3464
 maize in, pest control on 2792
Ostrinia nubilalis in 1146, 3461
 natural enemies of 7485
 on maize 3591, 5499
 pest control in 6364
- Iowa contd.**
Plathypena scabra in, natural enemies of 1916
 soy bean in, pests of 3464
 water in, pesticide residues in 6989
- Ioxnyl** (4-hydroxy-3,5-diiodobenzonitrile)
 with dichlorprop, in *Phygadeuon trichops*, effects on fecundity of 5209
- Iphiseius degenerans**, acaricides in, toxicity of 5576
- Ipideurytoma spessivtsevi**
 in Switzerland 3543
 in West Germany 3543
 parasitising
Perniphora robusta 3543
Trypodendron spp.
 in Switzerland 3543
 in West Germany 3543
- IPO-62** (see Phosphoric acid, 2-bromo-1-(2,4-dichlorophenyl)ethenyl diethyl ester)
- IPO-63** (see Phosphoric acid, 2-bromo-1-(2,4-dichlorophenyl)ethenyl dimethyl ester)
- IPO-603** (see BHC (γ -isomer), with propoxur)
- IPO-607** (see Methoxychlor, with propoxur)
- Ipochus fasciatus**
 food-plants of 2741
 in USA 2741
 on *Silybum marianum*, in California 2741
- Ipfos** (see Phosphoric acid, 2-bromo-1-(2,4-dichlorophenyl)ethenyl diethyl ester)
- Ipomoea**
Heliothis spp. on, in South Carolina 3512
Metritrona bicolor on, in USA 7142
- Ipomoea acarica**
Cylas formicarius on
 development of 6788
 in Karnataka 6788
- Ipomoea barleiriodes**
Cylas formicarius on
 development of 6788
 in Karnataka 6788
- Ipomoea batatas** (see Sweet potato)
- Ipomoea carnea**
Alcidodes waltoni on
 damage caused by 2116
 in Tamil Nadu 2116
- ipomoeifoliae, Tegolophus**
- Iproniazid** (2'-(1-methylethyl)-4-pyridinecarbohydrazide)
 in *Nephotettix cincticeps*, effects on probing frequency of 4271
- Ips**
 chemo-acoustic behaviour mechanisms in 4107
 on *Pinus taeda*, in Georgia (USA) 1273
 parasitism of, influence of *Dendroctonus frontalis* on 1273
 pheromone specificity in 4635

Ips acuminatus

- in Finland 4422
- in Thailand 3482
- on *Pinus*, in Thailand 3482

Ips amitinus

- distribution maps for 4153
- in Finland 4422
- in West Germany 5685
- on conifers, assessing infestations of 5685
- on *Picea*, in Finland 4422
- on *Pinus*, in Finland 4422

Ips avulsus

- adult behaviour in 5335
- control of 413
- in USA 6833
- life-history of 413
- on *Pinus*
 - in Texas 6833
 - in USA 413
- on *Pinus elliottii* 5335
- Parasitylenchus avulsi* in, in Texas 6833

Ips bistridentatus

- in Switzerland 3747
- on *Pinus cembra*, in Switzerland 3747

Ips borealis

- food-plant selection in 4399
- in USA (Alaska) 4399
- on *Picea glauca*, in Alaska 4399

Ips calligraphus

- Contortylenchus elongatus* in, in Texas 6833
- control of 413
- in USA 6833
- life-history of 413
- on *Pinus*
 - in Texas 6833
 - in USA 413
- Parasitaphelenchus* spp. in, in Texas 6833

Ips chalcographus

- flight activity in 425
- in Sweden 425
- in USSR 7432
- in West Germany 5684
- on *Pinus*, in Sweden 425
- population ecology of 7432

Ips concinnus

- in USA 4635
- pheromone responses in 4635
- stridulation 4107

Ips confusus

- aggregation pheromone in, functional unit of 7057
- in USA 4635
- pheromone responses in 4635

Ips curvidens

- in Greece 5000
- on *Abies cephalonica*, in Greece 5000

Ips duplicatus

- aggregation in 1142
- in Finland 4422
- in Norway 1142

***Ips duplicatus* contd.**

- on *Picea*, in Norway 1142
- pheromones in 1142
- traps for 1142

Ips elegans

- in USA 3047
- on *Abies grandis*, in Idaho 3047

Ips grandicollis

- attraction of
 - to host trees 2146
 - to male-infested pine logs 7411
- Bacillus* spp. in, role in pheromone production of 1144
- Contortylenchus grandicollis* in, in Texas 6833
- control of 413
- in Australia 4150
- in Cuba 4150
- in USA 2146, 4150, 6833
- life-history of 413
- on *Pinus*
 - in Texas 6833
 - in USA 413
- on *Pinus taeda*, in North Carolina 2146
- on *Pinus tropicalis*, in Cuba 4150

Ips latidens*, pheromones in 5030**Ips mexicanus***

- in USA 4635
- pheromone responses in 4635

Ips montanus

- in USA 4635
- pheromone responses in 4635

Ips paraconfusus

- attraction of, generation differences in 4406
- Bacillus cereus* in, role in pheromone production of 1144
- fats in, generation differences in 4406
- in USA 4406, 4635, 4638
- on *Pinus jeffreyi*, in California 4638
- on *Pinus ponderosa* 1144
 - in California 4406, 4638
- pheromone responses in 4635
- pheromone specificity in 4638
- pheromones in 1144, 5030

Ips perturbatus

- in USA (Alaska) 4399
- on *Picea glauca*, in Alaska 4399

Ips pini

- in USA 4638, 5667
- on *Pinus jeffreyi*, in California 4638
- on *Pinus ponderosa*
 - in Arizona 5667
 - in California 4638
- pheromone specificity in 4638
- preyed on by
 - Oxyopes scalaris*, in Arizona 5667
 - Theridion goodnightorum*, in Arizona 5667
- stridulation 4107

Ips sexdentatus

- competing with, *Tomicus piniperda* 5675

***Ips sexdentatus* contd.**

- in Finland 5675
- in Thailand 3482
- in West Germany 5684
- muscles in 5242
- on *Pinus*, in Thailand 3482
- on *Pinus sylvestris*, effects of water content on 2514

Ips spinidens

- in Greece 5000
- on *Abies cephalonica*, in Greece 5000

Ips subelongatus

- in USSR 5694
- on *Larix*, in Tuva 5694
- parasitised by
 - Braconidae, in Tuva 5694
 - Pteromalidae, in Tuva 5694
- population dynamics of 5694
- predators of, in Tuva 5694

Ips trepanatus

- in UK 7416
- on *Pinus sylvestris*, in England 7416

Ips tridens tridens*, stridulation 4107**Ips typographus***

- aggregation in, effects of cacodylic-acid treated trees on 2152
- attractants for, isolation from frass of 5286, 5289
- growth regulators in, effects of 5885
- in Czechoslovakia 2152
- in Finland 4422
- in Norway 1142
- in West Germany 5684-5685
- on conifers, assessing infestations of 5685
- on *Picea abies*, in Czechoslovakia 2152

Ips vorontzowi

- in Greece 5000
- on *Abies cephalonica*, in Greece 5000

Ipsdienol (see 2,7-Octadien-4-ol, 2-methyl-6-methylene-)**Ipsenol (see 7-Octen-4-ol, 2-methyl-6-methylene-)*****ipsilon*, *Agrotis***

(Scotia)

IPT (see Propanedioic acid, 1,3-dithiolan-2-ylidene-, bis(1-methylethyl) ester)**Iran**

- Agrotis* spp. in, on grain crops 1341
- A. segetum* in 1340
- Aiolopus thalassinus* in 5418
- Bemisia tabaci* in, on cotton 3005
- Cenopalpus* spp. in, on fruit trees 6547
- Chilo suppressalis* in, on rice 7254
- Coccus pseudomagnoliarum* in 4328
- Colaphellus hoeftii* in, on *Cardaria draba* 4244
- Cryptococcus fagi* in, on *Fagus* 6217
- Eugnorisma miniago* in, on grapevine 2858
- Euphyllura olivina* in, on olive 5587
- Euproctis kargalika* in, on *Crataegus* 6548

Iran contd.

- Eurygaster integriceps* in
 - on *Artemisia* 1838
 - on grain crops 1838
- Heliothis armigera* in 1931
- on cotton 7518
- Hymenoptera in 2582
- Hypera postica* in, natural enemies of 5914
- Lymantria dispar* in, on *Fagus* 6217
- Microcerotermes diversus* in, on palm 7287
- mites in 2537
- Mythimna unipuncta* in
 - in pastures 6663
 - on maize 1931, 6663
- Oria musculosa* in, on barley 2787
- Ostrinia nubilalis* in, on maize 6056
- Panonychus ulmi* in, on apple 6547
- Parlatoria oleae* in, on olive 5587
- Pentatomidae in 2336
 - fungi in 3808
- Psylla pyricola* in, on pear 4316
- Rhynchaenus fagi* in, on *Fagus* 6217
- Saissetia oleae* in
 - natural enemies of 6023
 - on olive 5587
- Sesamia cretica* in
 - natural enemies of 268
 - on sugar-cane 268
- Sitona* spp. in 5842
- Spilostethus pandurus* in, fungi in 3808
- Tetranychidae in 4746
- Tetranychus urticae* in, on fruit trees 6547
- T. viennensis* in, on fruit trees 6547
- Thysanoptera in, on *Cardaria draba* 4244

Iraq

- Coleoptera in, on trees 4397
- Ephesia cautella* in 3245
- Hypera postica* in, natural enemies of 4483
- Lachnus* spp. in, on *Quercus* 2428
- Lepidoptera in, on trees 4397
- Phthorimaea operculella* in
 - on *Nicotiana glauca* 4965
 - on potato 4965
- Thelaxes suberin* in, on *Quercus* 2428

irene, Automeris**Iridescent viruses**

- in
 - Aedes aegypti*, nucleic acid synthesis by 953
 - Antheraea pernyi*, nucleic acid synthesis by 953
 - Chilo suppressalis*, replication of 3827
 - Galleria mellonella*, replication of 3826
 - Tipula oleracea* 1588
 - replication of 2202

iridis, Stizus

Iridomyrmecin (see Cyclopenta[*d*]pyran-3(1*H*)-one, hexahydro-4,7-dimethyl-)

Iridomyrmex cordatus

in Papua New Guinea 1270

in eucalypt savanna, in Papua New Guinea 1270

in kunai grassland, in Papua New Guinea 1270

in urban mown grassland, in Papua New Guinea 1270

Iridomyrmex detectus (see *I. purpureus*)

Iridomyrmex humilis

control of, baits for 2696

in France 2722

in USA 2696

tending, *Saissetia oleae*, in France 2722

volatile constituents of 68

Iridomyrmex pruinosus

control of, baits for 2696

in USA 2696

Iridomyrmex purpureus

biology of 3536–3537

enzymes in 1730

in Australia 751, 1267, 1730, 3536–3537

polymorphic variation in 751

population dynamics of 1267

taxonomy of 1730

Iridomyrmex purpureus purpureus

enzymes in 1730

in Australia 1730

taxonomy of 1730

Iridomyrmex purpureus viridiaeneus

enzymes in 1730

in Australia 1730

taxonomy of 1730

iris*, *Conocephalus

Irish Republic

Lepidoptera in 4594

mites in

in grain products 3778

in stored grain 5411

Urocera augur in 4154

U. gigas in 4154

Iron

in carrot, effects of fenitrothion on 7371

in *Solenopsis invicta* 2697

in *Solenopsis invicta* queens 5311

ironsidei*, *Eriococcus

irregularis*, *Trichiocampus

irregularis*, *Valanga

Irrigation

entomopathogenic fungi favoured by 7496

of almond orchards, use in pest control 7550

of beet fields, controlling some pests 5612

of brussels-sprouts fields, reducing competition from undersown clover 7582

of citrus groves, use in pest control 5582

of cotton fields 896, 6792

Irrigation contd.

of cotton fields contd.

effects on *Aphis gossypii* 3715

effects on *Bemisia tabaci* 3005

effects on insect population of 889

effects on *Pectinophora gossypiella* 3007, 5644

of crops, effects on insects 1194

of greenhouses, insecticides applied in water 511

of groundnut plantations 2945

effects on *Tetranychus urticae* of 5986

of lucerne fields 1376

effects on insect pests of 6082

effects on *Spodoptera exigua* of 1377

of maize fields

effects on *Dalbulus maidis* 4261

effects on *Ostrinia nubilalis* 5504

of rice-fields

aiding dispersal of *Orseolia oryzae* 6689

insecticides applied in water 724, 3599

of sorghum fields 2777

effects on *Atherigona soccata* 6072

of sugar-beet fields, effects on pests and diseases of 6783

of sugar-cane fields 816

effects on *Chilo agamemnon* 230

effects on *Elasmopalpus lignosellus* 264

of *Vigna unguiculata* fields, effects on *Tetranychus urticae* 5986

of vineyards, effects on *Tetranychus pacificus* 845

of watermelon fields, effects on *Tetranychus urticae* 5986

of wheat fields 6677
effects on *Haplodiplosis marginata* 1942

irrorata*, *Saileria

irroratus*, *Paraphlepsius

irreorellus*, *Yponomeuta

isabella*, *Pyrrharctia

(*Isia*)

isabellae*, *Graellsia

isacanthus*, *Acanthococcus

Isaniris decorsei

control of, insecticides for 3009

descriptions of 3009

in Chad 3009

in Dahomey 3009

in Nigeria 3009

on cotton, in Chad 3009

taxonomy of 3009

Isaria farinosus (see *Paecilomyces*)

Isaria sinclairii

in

Alissonotum impressicolle,
pathogenicity of 255

Mogannia hebes

in Taiwan 247

pathogenicity of 247, 255

- Isaria sinclairii** *contd.*
 in *contd.*
Mogannia *contd.*
M. kashotoensis, pathogenicity of 255
- Isazophos** (see Phosphorothioic acid, *O*-[5-chloro-1-(1-methylethyl)-1*H*-1,2,4-triazol-3-yl] *O,O*-diethyl ester)
- Ischaemum aristatum**, *Pachytiplosis oryzae* on, in Kerala 290
- Ischiodon aegyptius**
 biology of 4775
 descriptions of 4775
 in Egypt 4775, 5531
 in Kenya 1897
 in *Trifolium alexandrinum* fields, in Egypt 5531
 parasites of, in Kenya 1897
 parasitised by
Diplazon laetatorius, in Egypt 4775
Syrphophagus spp., in Egypt 4775
 preying on
 aphids
 in Egypt 4775
 in Kenya 1897
Aphis gossypii 4775
Brevicoryne brassicae 4775
Rhopalosiphum maidis 4775
- Ischioloncha lineata**
 biology of 5652
 in Colombia 5652
 on cacao
 damage caused by 5652
 in Colombia 5652
- Isdromas**, hyperparasitising, *Anomis texana*, in Peru 2708
 parasitising, *Rogas gossypii*, in Peru 2708
- ishidai**, *Scymnus*
- ishii**, *Coccophagus*
- Isia isabella** (see *Pyrrharctia*)
- Isobenzan** (1,3,4,5,6,7,8,8-octachloro-1,3,3a,4,7,7a-hexahydro-4,7-methanoisobenzofuran)
 against
Bruchophagus platypterus, on clover 690
 Coleoptera 2827
 Diptera 2827
 Lepidoptera 2827
Spodoptera frugiperda, on maize 4838
- 1(3*H*)-Isobenzofuranone, 3,3-bis(4-hydroxyphenyl)-**, marker for insects 4166
- Isocholesterol** (see 3,5-Cyclocholestan-6-ol, (5 α ,6 β)-)
- isocrates**, *Virachola*
- isodontatus**, *Dendrolaelaps*
- Isodromus timberlakei**
 in South Africa 5951
 parasitising, *Chrysopa* spp., in South Africa 5951
- Isoenzymes**, selection of 2456
- Isofenphos** (1-methylethyl 2-[[ethoxy[(1-methylethyl)amino]phosphinothioyl]oxy]-benzoate)
 against
Agriotes spp., on potato 2964
Cosmopolites sordidus, on banana 1434
Delia coarctata, on wheat 7586
Hylemya antiqua, on onion 3948
H. brassicae
 on *Brassica* 3947
 on brussels sprouts 2651
 on cauliflower 3327
Ostrinia nubilalis, on maize 4558
Psila rosae, on carrot 2957, 3946-3947, 7528
Sphenophorus callosus, on maize 4264
Tipula paludosa 2824
 in carrot, residues of 2957
 in onion, effects on germination of 3948
 in soil, residues of 2957
 with herbicides 3327
- isogramma**, *Eucosma*
- Isohydroxydiazinon** (see Phosphorothioic acid, *O,O*-diethyl *O*-[6-(hydroxymethyl)-2-(1-methylethyl)-4-pyrimidinyl] ester)
- Isohydroxydiazinon oxon** (see Phosphoric acid, diethyl 6-(hydroxymethyl)-2-(1-methylethyl)-4-pyrimidinyl ester)
- 1*H*-Isoindole-1,3(2*H*)-dione, 3a,4,7,7a-tetrahydro-2-[(1,1,2,2-tetrachloroethyl)thio]-** (see Captafol)
- 1*H*-Isoindole-1,3(2*H*)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-** (see Captan)
- 1*H*-Isoindole-1,3(2*H*)-dione, 2-[(trichloromethyl)thio]-** (see Folpet)
- L-Isoleucine**
Acyrtosiphon pisum feeding responses to 3405
 in *Dichocrocis punctiferalis* 4076
 in *Dysdercus similis* diet, requirement for 7069
 in *Hyalophora cecropia*, incorporation into JH of 2443
 in *Marasmia trapezalis* 4076
 in sugar-beet, *Lygus disponisi* causing increased level of 868
 in *Tetrastichus israeli* diet, requirement for 6640
 in *Viteus vitifoliae* 2859
- Isomaltase** (see Glucosidase, oligo-1,6-)
- Isomerase, glucosamine phosphate (glutamine-forming)**, in *Locusta migratoria*, role in chitin synthesis of 3522
- Isoneurothrips**, taxonomy of, characters for 1092
- Isoneurothrips australis**
 in Peru 1092
 on *Dianthus*, in Peru 1092
 on watercress, in Peru 1092

Isoneurothrips marisabelae

- sp. n., description of 1092
- in Peru 1092
- on lucerne, in Peru 1092

Isophenphos (see Isufenphos)***Isophya adelungii*** (see *I. schneideri*)***Isophya schneideri***

- in USSR 313
- on grape vine, in Azerbaijan 313

Isophya tenuicera

- control of, insecticides for 224
- in Bulgaria 224
- on lavender, in Bulgaria 224

Isopoda, in milk powder, in Japan 7448**Isoprocab** (2-(1-methylethyl)phenyl methylcarbamate)

against

Aeneolamia varia, on sugar-cane 1935

Laodelphax striatella, on rice 835

Lasioderma serricorne 1547

Leptinotarsa decemlineata, on potato 374

Sogatella furcifera, on rice 4865

Tetranychus urticae 514

separation of other carbamates and 124
with γ -BHC

against

Chilo polychrysus, on rice 1951

C. suppressalis, on rice 1951

Schoenobius dodatellus, on rice 1951

Scirpophaga incertulas, on rice 1951

Sesamia inferens, on rice 1951

in *Trichogaster pectoralis*, toxicity of 1693

with malathion, against, *Nephotettix cincticeps* 1656

Isopropalin (4-(1-methylethyl)-2,6-dinitro-*N,N*-dipropylbenzamide)

- against, Elateridae, on tobacco 7398
- with diazinon, and 1,2-dibromoethane, against, Elateridae, on tobacco 7398
- with 1,2-dibromoethane, against, Elateridae, on tobacco 7398
- with disulfoton, and 1,2-dibromoethane, against, Elateridae, on tobacco 7398
- with disulfoton, and ethoprophos, against, Elateridae, on tobacco 7398
- with disulfoton, and fensulfothion, against, Elateridae, on tobacco 7398
- with ethoprophos, against, Elateridae, on tobacco 7398

Isoptera

biology of 4743

control of

crop management for 2649

insecticides for 2649, 3582, 6042

food-plants of 2649

in Angola 213

in Bangladesh 4180, 4593

in Ghana 1919

in Nigeria 4743

Isoptera contd.

in Senegal 3559

in southern Africa 1310–1315,
4230–4233

in forests

effects of clearing and grazing on 2600
in New Zealand 2271

in savanna, effects of clearing and grazing on 2600

in soil 5931

in warehouses, in Maharashtra 1549

in wheat fields, in Haryana 3582

on groundnut, in Nigeria 5609

on pulse crops 6771

on sugar-cane, in Bahamas 7222

on tea, in Sri Lanka 404

on wheat 6042

parasitised by, *Sclerodermus domesticus* 3105

taxonomy of 4743

type specimens of 1923

Isostasius punctiger

biology of 1276

descriptions of 1276

in West Germany 1276

parasitising, *Contarinia tritici*, in West Germany 1276

Isotenes miserana

biology of 2862

in Australia 2862

on *Macadamia*, in Queensland 2862

Isothiocyanic acid, allyl ester (see 1-Propene, 3-isothiocyano-)**Isothymol** (see Phenol, 3-methyl-5-(1-methylethyl)-)***Isotoma notabilis***

in Belgium 3028

in pine litter, in Belgium 3028

Isotomiella minor

in Belgium 3028

in pine litter, in Belgium 3028

Isotomurus palustris

in Belgium 3028

in pine litter, in Belgium 3028

Isoxanthopterin (see 4,7(1*H*,8*H*)-Pteridinedione, 2-amino-)**5-Isoxazoleacetic acid**, α -amino-3-hydroxy-, in *Schistocerca americana*, effects on muscle fibres of 745–746**4,5-Isoxazolidione**, 3-methyl-, 4-[(2-chlorophenyl)hydrazono] (see Drazoxolon)**Israel**

Aceria phloeocoptes in, on plum 848

Antonina graminis in 4504

Apis mellifera in 1376

Batrachedra amydraula in, on date palm 4301

biological control in 2750

Ceratitis capitata in 3222

on *Citrus* 5133

Israel *contd.*

- Cryptoblabes gnidiella* in, on avocado 6743
Cydia pomonella in, on apple 4907
 date palm in, pest control on 1988
Earias insulana in 6793
Ectomyelois ceratoniae in, on almond 4898
 entomopathogenic fungi in 7496
Eriophyes vitigenusgemma in 1399
Eurytoma amygdali in, on almond 4897-4898
 Lepidoptera in 7124
 man in, organochlorine residues in 3320
 mealybugs in, on grapevine and fig 4302
Myzus persicae in, on *Capsicum* 4456
Parlatoria blanchardii in, on date palm 1988
Parota paradoxus in, on grapevine 4889-4890
Phyllonorycter blancardella in
 natural enemies of 4906
 on apple 4906
 on fruit trees 4901
 plant protection research in 3975
Protopulvinaria mangiferae in
 on *Eugenia jambolana* 7322
 on mango 7005
Pseudococcus longispinus in
 natural enemies of 6743
 on avocado 6743
Saissetia oleae in, on *Citrus* 7324
Scolytus mediterraneus in, on fruit trees 6720
Sitona crinitus in
 on groundnut 4959
 on *Vicia* 4959
S. limosus in, on *Vicia faba* 4335
S. lineatus in
 on groundnut 4959
 on *Vicia* 4959
Spodoptera littoralis in 2472
 natural enemies of 2376
 on cotton 4370
 on lucerne 1376
 vegetable crops in, virus diseases of 6324

Israeli, Tetrastichus
issikii, Tebenna
isthmicus, Lissorhoptrus
italicus, Agriotes sordidus
italicus, Calliptamus
italicus, Typhlodromus

Italy

- Agapanthia* spp. in, natural enemies of 1979
Agriotes spp. in 3953
Angustalius malacellus in, on maize 7240
 Aphidoidea in, on globe artichoke 1438
 aphids in
 natural enemies of 1407-1408
 on almond 1407

Italy *contd.*

- aphids in *contd.*
 on *Citrus* 6746
 on ornamental plants 2118
Apion spp. in, on *Trifolium* 841
 apple in, pest control on 6375
Aspidiotus nerii in
 natural enemies of 5102, 6136-6137
 on *Citrus* 6136-6137
Bemisia citricola in
 natural enemies of 6551
 on *Citrus* 6551
 biological control in 2750
Bradybatas creutzeri in, on *Acer* 5015
Cacoecimorpha pronubana in, on
 carnation 5125
Cassida algerica in, on globe artichoke 1437
Cathartus quadricollis in, in imported
 maize 2173
Cavariella spp. in, natural enemies of 6624
Cedrobium laportei in, on *Cedrus* 3727
Cenopalpus spinosus in 7011
Ceratitis capitata in 3214, 3437, 3871
 on orange 5131
Ceresa bubalus in 1383
Chaetocnema heikertingeri in, on soy bean 6161
Chrysomphalus dictyospermi in
 natural enemies of 5102
 on *Citrus* 5106
Cinara spp. in, natural enemies of 6625
C. cedri in, on *Cedrus* 3727
Coccus aegaeus on
 natural enemies of 1426
 on *Citrus* 1426
C. pseudomagnoliarum in 4328
Coleophora serratella in 5011
Coraebus florentinus in 4409
Corythucha ciliata in
 on *Acer* 6831
 on *Platanus* 3069
Cryptorhynchus lapathi in, on *Populus* 2144
Cydia funebrana in, on plum 6735
Demysus meleoides in, on ornamental
 plants 3726
Dialeurodes citri in, on *Citrus* 6905
Donus salviae in, on strawberry 1995
Eotetranychus carpini in, on grapevine 2253
Epichoristodes acerbella in
 natural enemies of 407
 on carnation 5125, 6810
Epinotia thapsiana in, natural enemies of 4598
Ernobius fulvus in, on *Pinus* 5223
Eulachnus spp. in, natural enemies of 6625
 fruit trees in, pests and diseases of 7306
 hazel in, pests of 1384

Italy contd.

- Homoporus gusztavi* in 1726
Lachnus castaneae in, on *Castanea* 2006
 Lepidoptera in 1201
 natural enemies of 2128
 on *Larix* 2128
 on *Quercus* 919, 3754
Lepidosaphes beckii in, on *Citrus* 5106
Leptinotarsa decemlineata in, on potato 7609
Leucoptera scitella in, on apple 7553
Liriomyza nitzkei in
 on leek 6174
 on onion 6174
Lobesia botrana in, on grapevine 6713
Lymantria dispar in 3816
 on *Quercus* 496, 1632
Megadelphax spp. in, natural enemies of 7206
Messa hortulana in, on *Populus* 2129
 mites in, on mushroom 6028
Monosteira unicostata in, on almond 1406
Myzocallis castanicola in, on *Castanea* 2006
Myzus persicae in, on peach 7321
Oberea linearis in, on hazel 3646
Opgona sacchari in
 on imported ornamental plants 4992
 on ornamental plants 6201
 orchards in, pest control in 7538
Ostrinia nubilalis in, natural enemies of 6623
Panonychus citri in, on *Citrus* 2028
P. ulmi in
 natural enemies of 1292, 6738
 on apple 4185
 on grapevine 2253
 on peach 1292
Pantilius tunicatus in, on hazel 2007
 pear in, pest control on 6733
Penichroa fasciata in, in maple timber 2179
Phoracantha semipunctata in, on *Eucalyptus* 4394
Phyllonorycter blancardella in, on apple 7553
Phytoptus avellanae in, on hazel 1412, 7301
Planococcus citri in
 natural enemies of 5106
 on *Citrus* 5106, 6132–6133, 6542, 6905
 on lemon 6125
Pseudococcus calceolariae in, on *Citrus* 6542
Ptilinus pectinicornis in, in poplar timber 4445
 Raphidioptera in 2468
Reticulitermes lucifugus in 2738
Rhynchites auratus in, natural enemies of 17

Italy contd.

- Saissetia oleae* in
 natural enemies of 1643
 on *Citrus* 5106
 on olive 1643
Saperda carcharias in
 natural enemies of 2264
 on *Populus* 2264
Scaphoideus littoralis in, on grapevine 7293, 7481
Schizolachnus spp. in, natural enemies of 6625
 Siricidae in 2151
Sitophilus granarius in, in stored wheat 2656
Stigmella malella in, on apple 7553
Synanthedon tipuliformis in, on persimmon 6741
Synoxylon sexdentatum in, on grapevine 7291
Szelenyinus brevinervis in 1726
Tetranychus urticae in
 natural enemies of 1292, 6738
 on peach 1292
Tribolium spp. in, in stored wheat 2656
Zeiraphera diniana in
 natural enemies of 1294
 on *Larix* 3058
Itopectis, parasitising, *Epichoristodes acerbella*, in Italy 407
Itopectis alternans spectabilis in Japan 1932
 parasitising, *Cosmopterix phyllostachysea*, in Ishikawa Prefecture 1932
Itopectis conquisitor in USA 4393, 5437
 parasitising
 Choristoneura fumiferana, in Maine 5437
 Rhyacionia rigidana, in Missouri 4393
Itopectis europeator in USSR 6818
 parasitising, *Yponomeuta rorellus*, in Ukraine 6818
Itopectis maculator
 biology of 1243
 in Austria 4405
 in France 1243
 parasitising
 Cnephasia interjectana, in Austria 4405
 C. pumicana, in France 1243
 Ephestia kuehniella 1243
 rearing of, techniques for 1243
Itopectis melanocephala
 descriptions of 6623
 hosts of 6623
 in Italy 6623
 parasitising, *Ostrinia nubilalis*, in Italy 6623
Itopectis naranyae
 biology of 3844

- Itopectis naranyae* contd.**
 in Japan 815
 parasitising
 rice stem-borers 3844
Sesamia inferens, in Kagoshima Prefecture 815
- Ivory Coast**
Anomis leona in, natural enemies of 1237
Coccoidea in, on *Citrus* 5100
Curculionidae in, in kola nuts 941
Dysdercus melanoderes in 2503
D. voelkeri in, on cotton 2503
Earias biplaga in
 natural enemies of 1237
 on cacao 3721
Heliothis armigera in, on cotton 2558
 Lepidoptera in, natural enemies of 5450
- Ivy, *Dendrothrips eastopi* on, in UK 408**
Ivy, poison (see *Rhus toxicodendron*)
- iwasakii*, *Mogannia***
Ixeticus martius
 in New Zealand 2016
 preying on, *Cydia pomonella*, in New Zealand 2016
- Ixodoidea*, pathogens of, defence mechanisms against 4451**
- Jacaranda acutifolia*, *Teleonemia validicornis* on, development of 1328**
- jaceae*, *Chaetorellia***
Jackfruit (see *Artocarpus*)
- jacobaeae*, *Longitarsus***
jacobaeae*, *Tyria
 (*Hypocrita*)
- jacobsoni*, *Varroa***
jaculifera*, *Feltia
***Jalysus spinosus*, *Bacillus thuringiensis* in, effects on life-span of 964**
- Jamaica**
Elasmopalpus lignosellus in, on sugar-cane 264
 Psocoptera in 2
Saccharosydne saccharivora in, natural enemies of 241
 sugar-cane in, insect pests of 7222
- jamaicae*, *Notostrix***
jambolanae*, *Trioza
Jamun (see *Eugenia jambolana*)
- janata*, *Achaea***
jansonii*, *Phosphorus virescens
Janus luteipes
 biology of 5234
 in Finland 5234
 in USSR 5234
- Japan**
Acanthocoris sordidus in 3689
Achaearanea tepidariorum in 2718
Adoxophyes fasciata in
 natural enemies of 786, 3147
 on tea 1849
A. orana in
 natural enemies of 786, 3147
- Japan contd.**
Adoxophyes orana in contd.
 on apple 3842
 on fruit trees 1849
 on tea 2109
Aedia leucomelas in
 natural enemies of 6173
 on sweet potato 6173
Agrotis ipsilon in 113
 in pastures 4880
Amphipyra livida in 7107
Anadevidia peponis in, on cucurbits 1832
Anomala cuprea in 29
Aonidiella aurantii in, natural enemies of 5101
A. taxus in, natural enemies of 5101
Apanteles chilonis in 773
A. flavipes in 773
 aphids in
 natural enemies of 3836–3837
 on peach 3837
 on tobacco 3836
Arrhenophagus albitibiae in 3362
Atrachya menetriesii in
 natural enemies of 839
 on *Trifolium repens* 839
Aulacorthum solani in
 natural enemies of 880
 on potato 880
Blattella germanica in, in milk powder 7457
Bucculatrix pyrivorella in, on pear 4317
Chilo suppressalis in 1969, 3847
 natural enemies of 1358, 3845
 on rice 2803, 3597, 3848, 4845, 5267, 5511, 7252, 7268, 7609
Chlorops mugivora in, on grain crops 5840
Chloropulvinaria aurantii in, on *Citrus* 339
Chorthippus latipennis in, in grassland 3600
 Chrysomelidae in 6554
 citrus groves in, predatory mites in 336
Citrus natsudaikai in, pests of 3850
Cnaphalocrocis medinalis in, on rice 7256
Coccus pseudomagnoliarum in 4328
Coleophora spp. in
 on *Artemisia* 562
 on *Chrysanthemum* 562
Cosmopterix phyllostachysea in
 natural enemies of 1932
 on *Phyllostachys* 1932
Dacus dorsalis in 1790
Dendrolimus spectabilis in, on *Pinus* 605
 Diapriidae in, natural enemies of 4213
Dioryctria sylvestrella in, on *Pinus* 3044
Dolichovespula spp. in 7022
Dryocosmus kuriphilus in 2860, 5549
Epicanthus spp. in 7008

Japan contd.

- Epilachna* spp. in, on *Cirsium* 1081
E. pustulosa in 1079
E. vigintioctomaculata in 1079
 on *Caulophyllum thalictroides* 1080
Fiorinia horii group in, on *Rhododendron* 2321
Frankliniella intonsa in 5408
 fruit trees in, pest control on 3200
Galerucella grisea in
 on *Fragaria chiloensis* 586
 on *Rumex obtusifolius* 586
Gastrophysa atrocyanea in, on *Rumex obtusifolius* 2753
Glycyphagus destructor in, in house dust 621
 grapevine in, pest control on 2853
 grassland in, soil fauna in 177
Henosepilachna vigintioctomaculata in, on *Schizopepon bryoniaefolius* 5481
Hishimonus sellatus in
 natural enemies of 2338
 on mulberry 1801, 2338
Homona magnanima in, on tea 2109
Hyphantria cunea in 2723
 insecticide resistance in 3284
Laodelphax striatella in 1359
 on rice 826, 835, 1954
 Lepidoptera in, natural enemies of 3841
Limnoria sexcarinata in 5841
Liposcelis bostrychophilus in, in milk powder 7457
Locusta migratoria in, on sugar-cane 747, 6036
Longiunguis sacchari in, on sorghum 292, 1971, 5521
Lymantria dispar in
 natural enemies of 2237
 on *Larix* 2237
Mamestra brassicae in
 natural enemies of 870–874
 on beet 869
 on sugar-beet 870–875
Megachile spp. in 561
 Melandryidae in 7021
 Microlepidoptera in
 natural enemies of 1094
 on conifers 1094
 milk-powder factories in, arthropods associated with 7446–7447
 milk powder in, pests of 7443, 7448, 7452, 7455–7456, 7460
Mimela costata in, natural enemies of 4469
Mogannia iwasakii in
 on grasses 262
 on sugar-cane 262, 1933
Mongolotettix japonicus in, in grassland 3600
Monochamus alternatus in, on *Pinus* 1073
Mythimna loreyi in 6039

Japan contd.

- Mythimna* contd.
M. separata in 2668, 6039
 natural enemies of 547
Myzus persicae in 4078
Naranga aeneascens in, on rice 4850
Nephotettix cincticeps in 1960, 1970, 5756, 6058
 natural enemies of 2544
 on rice 826, 1954, 2544, 2803, 2806–2808
Nilaparvata lugens in, on rice 287, 1954, 1959, 5515, 5755, 6688, 7255, 7612
 Noctuidae in 670
 Olethreutinae in 560
Oligonychus hondoensis in
 natural enemies of 3739, 5734
 on *Cryptomeria japonica* 3739
 Oribatidae in, in grassland 1976
Oulema oryzae in, natural enemies of 1286, 2812
Panonychus citri in, on *Citrus* 339, 3940
Parapleurus alliaceus in, in grassland 3600
Pemphigus spp. in 2345
Periplaneta fuliginosa in, in milk powder 7457
 pest control in 3199
Petrova cristata in, on *Pinus* 3044
P. gemmata in, on conifers 433
Phthorimaea operculella in, natural enemies of 779
Phytomyza horticola in, on pea 5607
Pieris rapae in, natural enemies of 1816, 1886–1887, 2236, 4133
Platypleura spp. in 1085
Popillia japonica in, natural enemies of 6628
Quadraspidiotus macroporatus in
 natural enemies of 785
 on *Castanea* 785
Q. perniciosus in, natural enemies of 5101
Rhyacionia simulata in, on *Pinus* 3044
 rice-fields in, insects associated with 1354–1355
 rice in
 pest control on 1061, 3198
 pests of 1354–1355
 rice stalk-borers in, natural enemies of 3595
 rice stem-borers in 1958
 rivers in, pesticide residues in 5787
Sappaphis piri in, natural enemies of 1096
 scale insects in, natural enemies of 2238
 Sciomyzidae in
 in rice-fields 3846
 natural enemies of 3846
Sesamia inferens
 natural enemies of 815
 on sugar-cane 815

Japan contd.

- Sitophilus zeamais* in, in stored barley 3099
- Sogatella furcifera* in, on rice 287, 1954, 6688, 7255, 7612
- spiders in, in rice-fields 834, 6065
- spinach in, pests of 5617
- Spodoptera litura* in 98, 568, 669, 671, 1747
- natural enemies of 1473
- on *Colocasia* 1473, 2245
- Taenioglyptes fulvus* in 3755
- Tebenna issikii* in, on *Arctium lappa* 7364
- Tetranychidae in 5371
- on fruit trees 3838
- on vegetable crops 3838
- Tetranychus kanzawai* in, on soy bean 3840
- T. urticae* in 7523
- on soy bean 3840
- Tortricidae in 5224
- Trigonotylus coelestialium* in, on rice 2810
- Unaspis yanonensis* in
- natural enemies of 1229, 1894, 3851, 5101, 5466
- on *Citrus* 339, 5581
- Xestia c-nigrum* in, on beet 869
- Yamatocallis acericola* in, on *Acer* 1095
- Japania andoi** (see *Paracentrobia*)
- japanicus, Anastatus**
- japonensis, Thecodiplosis**
- japonica, Dictyoploca**
- japonica, Exorista** (see *E. fasciata*)
- japonica, Lymantria dispar**
- japonica, Myrmarachne**
- japonica, Popillia**
- japonicola, Clubiona**
- japonicum, Trichogramma**
- japonicus, Aedes**
- japonicus, Anastatus**
- japonicus, Attagenus unicolor**
- japonicus, Coccygomimus aquilonius**
- japonicus, Goniozus**
- japonicus, Lemophagus**
- (*Anilastus*)
- (*Diadegma*)
- japonicus, Mongolotettix**
- Jasmine, cape** (see *Gardenia jasminoides*)
- Jasminum flexile, Acherontia styx** on, in Tamil Nadu 1847
- Jasminum sambac**
- Corythauma ayyari* on
- damage caused by 3029
- in Kerala 3029
- Nausinoe geometralis* on, in Pakistan 1893
- Jassidae**
- on cotton, in Botswana 3858
- on eggplant 6180
- Jassiniae**, in New Zealand 1086
- jatrophae, Anartia**
- javana, Cotterellia**
- javanensis, Pipunculus**
- javanicus, Capitophorus hippophaes**
- javensis, Marietta**
- Javesella dubia**, European wheat striate mosaic virus in, transmission of 2183
- Javesella pellucida**
- alate production in 25
- biology of 4256
- cereal tillering disease, causal agent in, not transmitted 3803
- control of, insecticides for 1943
- European wheat striate mosaic virus in
- effects of 2183-2184
- transmission of 2183
- in Finland 7227
- in Poland 5590
- in Sweden 1943
- instar determination in 4256
- oat sterile dwarf virus in, transmission of 3803, 6673, 7227
- on barley 3803
- on oats, in Finland 7227
- on wheat 3803
- development of 4256
- in Sweden 1943
- population density of 25
- preyed on by, *Hauptmannia brevicollis*, in Sweden 1943
- wheat striate mosaic virus (European) in, effects on alate production of 25
- Jay, blue** (see *Cyanocitta cristata*)
- jezoensis, Pauesia**
- JF 2764** (see Pirimiphos-methyl)
- JH II** (see 2,6-Nonadienoic acid, 9-(3-ethyl-3-methyloxiranyl)-3,7-dimethyl-, methyl ester)
- JH-III** (see 2,6-Nonadienoic acid, 9-(3,3-dimethyloxiranyl)-3,7-dimethyl-, methyl ester)
- JH-25** (see Benzene, 1-[(7-ethoxy-3,7-dimethyl-2-octenyl)oxy]-4-ethyl-)
- Jodfenphos** (see Iodofenphos)
- johannae, Agonatospoides**
- johnsoni, Chrysoscharis**
- Jordan**
- Capnodis carbonaria* in, on almond 6097
- C. tenebrionis* in, on almond 6097
- Cerambyx dux* in, on almond 6097
- jordani, Pandalus**
- Jowar** (see Sorghum)
- jucundus, Geocoris**
- juglandicola, Chromaphis**
- juglandis, Habrobracon** (see *Bracon hebetor*)
- juglandis, Panaphis**
- Juglans regia**
- Bacillus thuringiensis* on, persistence of 2210
- Chromaphis juglandicola* on, in California 3177
- juglansregiae, Quadraspidiotus**

jugoslavica, *Sphenoptera***julis, *Tetrastichus******Juncobia leegei***

in Poland 1880

traps for 1880

Juniper (see *Juniperus*)**Juniper-berry extracts, against, *Tetranychus urticae* 1004*****juniperi*, *Carulaspis******Juniperus chinensis*, *Periploca mimula* on, in Tennessee 5019*****Juniperus communis***

Hymenoptera on, in West Germany 3055

Megastigmus bipunctatus on, in West Germany 2133, 3055***Juniperus depressa*, *Diaspidiotus danzigae* on, in Crimea 7017*****Juniperus nana*, *Formica exsecta* in meadows overgrown with, in Bulgaria 755*****Juniperus occidentalis*, *Syntexis libocedrii* on 426*****Juniperus virginiana****Bacillus thuringiensis* on, persistence of 2120

Cerambycidae on 3037

Phloeosinus dentatus on 3037*Thyridopteryx ephemeraeformis* on in Kansas 417

in USA 3474

junodi*, *Kotochalia**Jute (*Corchorus capsularis* and *C. olitorius*) carbaryl in, residues of 7661***Diacrisia obliqua* on, in India 2059

malathion in, residues of 7661

monocrotophos in, residues of 7661

Myllocerus spp. on

in Tamil Nadu 2097

species preferences of 2097

pests of, in Bangladesh 4180

Juvabione (see 1-Cyclohexene-1-carboxylic acid, 4-(1,5-dimethyl-3-oxohexyl)-, methyl ester, [*S*(*R, *S**)]-)****Juvenates (see Juvenile hormones)*****juvencus*, *Sirex*****Juvenile hormone I (*C*₁₈) (see 2,6-**

Nonadienoic acid, 7-ethyl-9-(3-ethyl-3-methyloxiranyl)-3-methyl-, methyl ester)

Juvenile hormone II (*C*₁₇) (see 2,6-

Nonadienoic acid, 9-(3-ethyl-3-methyloxiranyl)-3,7-dimethyl-, methyl ester)

Juvenile hormone III (*C*₁₆) (see 2,6-

Nonadienoic acid, 9-(3,3-dimethyloxiranyl)-3,7-dimethyl-, methyl ester)

Juvenile hormones 6427*Attacus atlas* 7084*Attagenus megatoma* 6301*Bombyx mori* 5295*Chilo suppressalis* 2482**Juvenile hormones contd.***Diatraea grandiosella* 7078*Eurygaster integriceps* 57*Galleria mellonella* 590, 3418*Leptinotarsa decemlineata* 5300*Locusta migratoria* 1857*Mamestra brassicae* 7085*Manduca sexta* 607, 1137, 5302–5303*Ostrinia nubilalis* 2439*Pectinophora gossypiella* 6504*Periplaneta americana* 3394, 5884*Pieris brassicae* 7085*Plodia interpunctella* 6286*Pyrrhocoris apterus* 590*Schistocerca americana* 172, 1136, 3394, 4759, 5306*S. gregaria* 5884

books on 4061

chemical nature of 5298

insect control using 52

role in morphogenesis of 590

steroid synthesis inhibitors as inhibitors of 5883

Juvenoids (see Insect growth regulators)**K-Othrine (see Bioethanomethrin)****K-2 (see 4*H*-1,3,2-Benzodioxaphosphorin, 2-phenoxo-, 2-oxide)*****kaestneri*, *Blaesoxipha******kailidisi*, *Ernobius*****Kairomones**

for increasing parasitism 4505–4506

in *Eurygaster integriceps*, attracting*Trissolcus grandis* 5284in *Heliothis virescens*, stimulating host seeking in *Cardiochiles nigriceps* 5461in *Lymantria dispar*, influencing recognition by parasites 5442in *Pseudococcus calceolariae* virgin females, attractive to *Arhopoideus peregrinus* 6542***Kakothrips pisivorus***

in Bulgaria 3027

in USSR 6157

on *Lathyrus*, in Bulgaria 3027

on pea

in Bulgaria 3027

in Mordovian Republic 6157

on pulses, in Bulgaria 3027

parasitised by, *Ceranisus menes*, in Mordovian Republic 6157

preyed on by

Aeolothrips fasciatus, in Mordovian Republic 6157*A. intermedius*, in Mordovian Republic 6157***Kakothrips robustus* (see *K. pisivorus*)****Kale (*Brassica oleracea* var. *viridis*)**

aphids on, in New York 4931

Brevicoryne brassicae on, uptake of radiocarbon by 5927*Hippelates pusio* on 2180

Kale *contd.*

- Myzus persicae* on, uptake of radiocarbon by 5927
 pests of, in North Carolina 2915
Phyllotreta cruciferae on, in New York 4931
P. striolata on, in New York 4931
Pieris rapae on
 effects of habitat on 3653
 in New York 3653, 4931
 in New Zealand 3649
Plutella xylostella on, in New Zealand 3650
Kalmia latifolia, *Dicyphus rhododendri* on, in Pennsylvania 6553
kalmii, *Orthops*
Kaloterms flavicollis, soldier differentiation in, effects of JH mimics on 1317
Kaltenbachiola strobi
 in Netherlands 1248
 on *Picea abies*, in Netherlands 1248
kamijoi, *Scambus*
kanamitsui, *Temelucha*
Kanchmanda (see *Trichodesma amplexicaule*)
Kansas
Aceria tulipae in, on wheat 2779
 Curculionidae in, in grassland 2525
Diatraea grandiosella in 6425
Mayetiola destructor in, on wheat 5493
Rhopalosiphum maidis in, on maize 4267
Rhyacionia bushnelli in, natural enemies of 183
Schizaphis graminum in
 on maize 4267
 on sorghum 3202
Sitotroga cerealella in, in stored maize 3791
 stored wheat in, insect pests of 5709
Thyridopteryx ephemeraeformis in 417
kanzawai, *Tetranychus*
Kaolin
 against, *Callosobruchus chinensis* 3800
 malathion formulated on 7647
Karathane (see *Dinocap*)
Karbetox (see *Carbaryl*)
Karbofos (see *Malathion*)
kargalika, *Euproctis karnyi*, *Aptinothrips kashotoensis*, *Mogannia kasmirica*, *Ostrinia*
Kasugamycin
 formulations of, viscosity of 2247
 use of, in ULV sprays 2247
Kasumin (see *Kasugamycin*)
Katelsous, against, *Sitophilus oryzae*, in stored wheat 3787
Katyids, on *Citrus*, in California 337
kaudernianus, *Kaudernitermes*, (*Nasutitermes*)

Kaudernitermes, gen. n., description of 1920

Kaudernitermes kaudernianus, taxonomy of, transferred from *Nasutitermes* 1920

kazak, *Apanteles*

keeni, *Asynapta*

Keiferia lycopersicella

control of

 insecticides for 882, 2974

 JH mimics for 382

in USA 382, 882, 1905, 2974

on tomato

 damage caused by 2974

 in California 1905

 in Florida 382, 882, 2974

parasites of, effects of JH mimics on 382
 parasitised by

Apanteles dignus, in Florida 382

A. gelechiidivoris, and biological control using, in California 1905

A. scutellaris, in Florida 382

Kelevan (ethyl 1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-2-hydroxy- γ -oxo-1,3,4-metheno-1*H*-cyclobuta[*cd*]pentylene-2-pentanoate) against

Cassida nebulosa, on sugar-cane 7368

C. nobilis, on sugar-cane 7368

Leptinotarsa decemlineata 3205

 on potato 4969, 5629

Kelthane (see *Dicofol*)

Kenaf (*Hibiscus cannabinus*)

Anomis flava on, development of 7108

Dysdercus spp. on, in Tanzania 900

Eurybrachys tomentosa on, in Tamil Nadu 1847

Hibiscus cannabinus mosaic virus in, in El Salvador 1575

Otinotus oneratus on, in Tamil Nadu 1847

Oxycareus hyalinipennis on, in Tanzania 900

Podagrica weisei on, in Tanzania 900

Kenite 2-I (see *Kieselguhr*)

Kenia artharia, *Gangara thyraxis* on, in Tamil Nadu 2667

Kentucky

Diatraea grandiosella in 6425

Epargyreus clarus in, natural enemies of 3130

Hypera postica in, on lucerne 1372-1373

Malacosoma americanum in natural enemies of 2212, 7482

 on cherry 7482

Scaphoideus densus in 5920

S. incisus in 5920

 wood-boring insects in, in *Quercus* timber 5065

Kenya

 aphids in 5918

 natural enemies of 790

 on *Passiflora* 3802

Kenya contd.

- Ascotis selenaria* in, on coffee 1892
Bathycœlia bequaerti in, on *Macadamia* 4303
Ceratitis capitata in, on coffee 905
C. coffeae in, on coffee 905
C. rosa in, on coffee 905
Ceroplastes spp. in, natural enemies of 3991
 coffee in, pest control on 4990
Dactylopius opuntiae in, on *Opuntia* 555
Diachrysia orichalcea in, on coffee 3021
Gascardia destructor in, natural enemies of 3991
 Lepidoptera in, natural enemies of 5450
Macrotermes subhyalinus in 2739
 man in, organochlorine residues in 3320
 rice stem-borers in 1958
Schedorhinotermes lamanianus in 1311
Spodoptera exempta in 2647, 3355
 natural enemies of 1089
 Syrphidae in 1897
kenyae, *Cisaberoptus*
kenyae, *Planococcus*
kenyaensis, *Microterys*
Kepone (see Chlordecone)
keralicus, *Stethorus*
Keratins, in *Tineola bisselliella*, digestion of 37
Kermes
 on *Quercus dilatata*, in Pakistan 2328
 parasitised by, *Paksimmondsius pakistanensis*, in Pakistan 2328
Kermes kingii, eggs of 3450
Kermes vermilio
 in France 2722
 on *Quercus*, in France 2722
 preyed on by, *Eublemma scitula*, in France 2722
kerri, *Empoasca*
Kerria lacca
 food-plants of 852
 in China 1910
 in India 7406
 on *Polyscias*, in Tamil Nadu 7406
 preyed on by
Eublemma amabilis 12
 in Kwangtung Province 1910
kesiyae, *Cryphalus*
kesiyae, *Phloeosinus*
Kestrel, American (see *Falco sparverius*)
3-Ketocarbofuran phenol (see 3(2H)-Benzofuranone, 7-hydroxy-2,2-dimethyl-)
Keyacris
 in Australia 4682
 speciation in 4682
Keys
Acanthococcus, in Soviet Far East 11
Acantholyda, in Florida 3760
Acaudus, in Europe 6453
 Adelgid galls, on *Picea*, in UK 7417
Aelia, in Greece 4609

Keys contd.

- Agonatopoides* 7206
Ahmaditermes, in Bangladesh 4593
 Allantonematidae 194
 Anomaloninae 5832
Apanteles spp., in Canada 193
 Aphidiidae
 in Mediterranean area 6644
 in South Korea 3361
Aphidius
 in Europe 3180
 in North America 3180
 aphids 2370
 on grain crops 2766
Aphis, on Umbelliferae, in Manitoba 7027
 Aphrodina, in Nearctic region 3984
Aptinotrips 1973
Arrhenophagoidea 3362
 arthropods in apple orchards 7314
Attagenus, in Spain 3081
Avricus 3992
Barylypa, in Palaearctic region 5229
Bathyplectes, in Palaearctic region 5235
 Bethyloidea, in British Isles 5231
Binodoxys, in India 5233
Biolysia, in Palaearctic region 5235
Brachygrammatella 6436
 Braconidae 3843
 Bruchidae, in Canary Islands 5236
Bulbitermes, in Bangladesh 4593
Calameuta, in Fennoscandia 5234
Caliroa, in France 1091
Callosobruchus 7026
 Campoplegini 1105
Caprithrips 2341
 Carabidae, in UK 6
 Cecidomyiidae, on *Pinus*, in Florida 5669
Chaetophlepsis 4210
Chaetorellia 7000
Chorinaeus, in western Palaearctic region 7018
Chrysobothris, in Europe 6443
Chrysopa carnea group 551
 Cicadellidae, in Turkey 546
 Cicindelidae, in UK 6
 Coccinellidae, in Réunion 4137
 Coccoidea
 in Canada 6447
 in Denmark 6448
 in USA 6447
Colaspis, in USA 1724
 Coleophoridae, in East Germany 4
 Coleoptera 4183
Cotterellia 5450
Dactylopius 555
Dasyhelea, in USA 6434
 Delphacidae, in India 2324
 Dermaptera, in California 4138
Dermites, in UK 7001
 Diaspididae, in Colombia 5532

Keys contd.

- Dorytomus* 7023
 Elateridae 6995
 Empoascini, in Africa 6047
Epiacanthus 7008
Epicauta, in USA 4604
Eriopeltis
 in Denmark 6448
 in Palaearctic region 6994
 Eriophyoidea, in Taiwan 4187
Ernobius 5223
Erythroneura, on *Platanus occidentalis* 3767
 Eurytomidae
 in Guatemala 1076
 in Mexico 1076
 Euscelinae, in Turkey 546
 Formicidae, in UK 8
 Halticinae, in USSR 6429
Halticoptera, in Sweden 3365
Halticopterina, in Sweden 3365
Hemichroa 5227
 Hispinae 4592
 Hymenoptera, in Africa 4203
 Ichneumonidae 3843
 Ichneumonoidea, in British Isles 5825
 insect orders 5395
Leiophron, in North America 1082
 Lepidoptera
 in Irish Republic 4594
 in UK 4594
Leptoglossus, in Florida 655
Lonchaea 3364
Loxostege, in North America 7032
Macrophya, in France 6428
 Melandryidae, in Japan 7021
Meloboris spp., in Japan 547
Metzneria 2327
Microterys
 in Africa 3991
 in Australia 5917
 mite orders 5395
 mites
 in Crimea 3360
 on grapevine, in Taiwan 1403
Nasutitermes, in Bangladesh 4593
 Nematini, in Austria 4998
 nematodes, in insects 957
Nemeritis 5835
Nemorilla spp., in North Carolina 776
 Nitidulidae
 in Portugal 5222
 in Spain 5222
 Noctuidae 2865
 in Peru 156
Ophioneurus, in Italy 17
Palus
 in Canada 1101
 in USA 1101
Paracoccus
 in South Africa 3989
 in South-West Africa 3989

Keys contd.

- Parahypochaeta* 4210
 Pemphiginae, in UK 4597
Pemphigus, in UK 4417
 Pentatomidae
 in Iran 2336
 in Ohio 2356
Peristenus, in North America 1082
Phaenocarpa group A 5834
 Phloeothripidae, in Crimea 1
Phyllophaga, in South America 4601
 Phytoseiid genera 5833
 Phytoseiidae, in Japan 3839
Platyleura, in Japan 1085
 Plusiinae, in California 3374
Pristiphora 1718
 in Finland 3997
Pseudotargionia, in Africa 558
 Psocoptera
 in Jamaica 2
 in UK 5
 Psychidae, in West Indies 2335
Pyemotes 2478
 Pyralidae, in East Germany 7128
 Reduviidae, in Ghana 1734
 rice stem-borers 3843
Rosenus
 in Canada 1101
 in USA 1101
Saileria 7012
 Scarabaeidae, in Ethiopian region 4005
Schimitschekia, in Sweden 3365
 Sciomyzidae 3843
 Scolebythidae 3993
Silba 3364
Singaporea 2348
Sitona, in Iran 5842
 Sphecidae 5369
 Sphingidae, in USA 2320
Spodoptera, in Rhodesia 564
Stemmatomerinx, in USA 6702
 Symphyta 426
 Syrphidae, in Switzerland 3372
Taphronota, in Africa 9
Teleonemia, in Florida 6657
 Tenebrionidae, in UK 7
 Tetranychidae
 in Japan 3838
 in Thailand 3174
 on conifers 6815
Tetrastichus, in India 5829
Thinodytes, in Sweden 3365
 Thysanoptera
 in Peru 676
 in South Korea 554
Tiphia, in India 3369
 Tipulid genera, in Palaearctic region 7279
Trichospilus 5450
Tuberculatus 1728
 Tuckerellidae 3988
Turanogryllus, in India 6439

Keys contd.

- Typhlocybini, in Africa 6047
Winthemia spp., in North Carolina 776
Yamatocallis, in Japan 1095

Khmer Republic (formerly Cambodia)
insects in 5845

Tetranychidae in 5371

Kieselguhr

against

- Callosobruchus chinensis* 3800
 pests of stored wheat 5709
 as carrier for insecticides 3896
 with malathion, against, *Sitotroga*
cerealella, in stored maize 3791

kilima, Olokemeja**Kilval** (see Vamidothion)**Kimminia subnebulosa**

biology of 5460

in France 5460

preying on

Acyrtosiphon pisum 5460*Myzus persicae* 5460**Kinase (phosphorylating), fructo-**, in *Gilpinia*
hercyniae, specific activity of 1509**Kinase (phosphorylating), gluco-**, in *Gilpinia*
hercyniae, specific activity of 1509**Kinase (phosphorylating), hexo-**, in *Locusta*
migratoria, activity during cuticle
formation of 5428**Kinetin** (see 1*H*-Purin-6-amine, *N*-(2-
furanylmethyl)-)**kingi, Tetra****kingii, Kermes****Kinoprene** (2-propynyl (2*E*,4*E*)-3,7,11-
trimethyl-2,4-dodecadienoate)adopted as common name in *RAE*, p. 7
against*Acyrtosiphon pisum*, on pea 3155*Aphis craccivora* 5299*A. fabae* 2444

on sugar-beet 3155

on *Vicia faba* 3201*A. gossypii* 5299*Hyalopterus pruni* 5299*Keiferia lycopersicella* 382*Liriomyza sativae* 3263*Macrosiphum euphorbiae*, on potato
5201*Myzus humuli*, on hop 3155*M. persicae* 2444

on peach 6739

on sugar-beet 3155

Phenacoccus solani, on ornamental
plants 410*Pissodes strobi* 1065*Pseudococcus longispinus*, on
ornamental plants 410*Rhopalosiphum maidis* 5299*Saissetia coffeae*on *Aphelandra squarrosa* 3729

on ornamental plants 410

Spodoptera littoralis 2446**Kinoprene contd.**

against contd.

Tetranychus urticae 5413*Therioaphis trifolii* 2444in *Apanteles dignus*, inhibiting emergence
382in *Apanteles scutellaris*, inhibiting
emergence 382in *Apis mellifera*, effects of 6977in *Earias insulana*, effects on development
of 4067in *Macrosiphum euphorbiae*, effects on
parasites of 5201in *Opisus*, effects on emergence of 3263in *Saissetia coffeae*, effects on parasites of
3729**kirbyi, Oiketicus****kirkpatricki, Bracon****klapaleki, Psylla****Klebsiella**, in, *Ostrinia nubilalis*, in Iowa
7485**kleinschmidtii, Tipula****klugii, Aelia****klugii, Tritneptis****Knapweed, Russian** (see *Centaurea repens*)**knorri, Tuckerella****knotecki, Pityophthorus****kodaikanalensis, Thrips****koehleri, Copidosoma****koenigii, Dysdercus****Kohlrabi** (*Brassica oleracea* var.
gongyloides)*Aphidoletes aphidimyza* on, oviposition by
4110*Myzus persicae* on 2920

pests of, in Poland 6761

turnip mosaic virus in, not infective 5725

koizumii, Diadegma**Kola** (see *Cola*)**kolae, Balanogastrius****kolae, Sophrorhinus****konoii, Lardoglyphus****Kornikol** (see BHC (γ -isomer), with DDT)**Kornkaferbegasungspraparat** (see Phosphine
[from aluminum phosphide])**Kotochalia junodi**

in South Africa 5220

on *Acacia*, in South Africa 5220**kozari, Metaphycus****krameri, Leiodynychus****krausbaueri, Tullbergia****Kraussaria**, in Sudan 7170**Kraussaria angulifera**

biology of 1855

food-plants of 1855

in Nigeria 1855, 5423

on millet, in Nigeria 5423

kraussii, Rhynacus**Krishnieriella**, taxonomy of, synonym of
Anicetus 7002**Krishnieriella ceroplastodis**, taxonomy of,
synonym of *Anicetus ceylonensis* 7002

Ksilolin (Xylolin) (see BHC (γ -isomer))

kuehniella, *Ephestia*
(*Anagasta*)

Kulveri (see *Capparis spinosa*)

kuntzeni, *Auletobius*

kurdjumovi, *Sipha*

kuriphilus, *Dryocossus*

kurokoi, *Coleophora*

kuwanae, *Chilocorus*

kuwanai, *Ooencyrtus*

Kyboasca bipunctata

biology of 6183

in USSR 6183

on cotton

damage caused by 6183

in Uzbekistan 6183

on lucerne, in Uzbekistan 6183

Kynurenine (see Benzenebutanoic acid, α ,2-diamino- γ -oxo-)

Kynurenine, 3-hydroxy- (see Benzenebutanoic acid, α ,2-diamino-3-hydroxy- γ -oxo-)

Labia minor, in West Germany 2674

Labidura riparia

acaricides in, toxicity of 160

biology of 1898

development in, effects of growth regulators on 7086

Filariomyces forficulae in

effects of 958

in Florida 958

Histiostoma spp. associated with, in Florida 958

in South Africa 160

in USA 958

preying on

Spodoptera littoralis 1898

Tetranychus cinnabarinus, in South Africa 160

T. lombardini, in South Africa 160

T. ludeni, in South Africa 160

laburni, *Aphis*

Lacanobia oleracea

biology of 1598, 2948

control of, insecticides for 1598

descriptions of 1598

food-plants of 2948

in Bulgaria 1598, 2948

in France 548

on sugar-beet, in Bulgaria 2948

parasites of, in Bulgaria 2948

parasitised by

Exorista larvarum, in France 548

Spallanzania hebes, in France 548

lacca, *Kerria*

(*Laccifer*)

Laccifer lacca (see *Kerria*)

lacetosus, *Ephedrus*

Lachnidae

in forests, effects of malathion on 2296

on conifers, in Switzerland 3373

Lachninae, alarm pheromones in 600

Lachnosterna

control of, insecticides for 1518

in groundnut fields, in Rajasthan 4958

on peach, in Haryana 5372

on *Pinus resinosa*, in Michigan 1518

preyed on by

Acridotheres tristis, in Rajasthan 4958

Corvus splendens, in Rajasthan 4958

Lachnosterna consanguinea

control of, insecticides for 999, 7362

head capsule and mouth parts in 4016

in India 999, 2114, 7362

on *Azadirachta indica*, attraction to leaves of 5123

on *Grewia asiatica*, in Punjab 2114

on groundnut, in Rajasthan 7362

on winter crops, in Rajasthan 999

Lachnosterna fissa

in India 5372

on groundnut, in Haryana 5372

on *Pennisetum typhoides*, in Haryana 5372

Lachnosterna insularis

in India 5372

on *Azadirachta indica*, attraction to leaves of 5123

on *Ziziphus jujuba*, in Haryana 5372

Lachnosterna nilgiria

control of, insecticides for 2105

on coffee 2105

Lachnosterna patrueloides

Bacillus popilliae in, in Guadeloupe 474

flight activity in 4825

in Guadeloupe 474, 4825–4826

Metarhizium anisopliae in

in Guadeloupe 474

pathogenicity of, effects of insecticides and pathogens on 474

on sugar-cane

forecasting infestations of 4826

in Guadeloupe 474, 4826

traps for 4825–4826

Lachnosterna plaei

Bacillus popilliae in, in Guadeloupe 474

flight activity in 4825

in Guadeloupe 474, 4825

Metarhizium anisopliae in

in Guadeloupe 474

pathogenicity of, effects of insecticides and pathogens on 474

on fruit trees, in Guadeloupe 474

on Poaceae, in Guadeloupe 474

traps for 4825

Lachnosterna problematica 5372

Lachnosterna serrata

control of, attractants for 5123

in India 5123

on *Azadirachta indica*, attraction to leaves of 5123

on sugar-cane, in Uttar Pradesh 5123

Lachnus

honeydew of, sugars in 2428

- Lachnus** *contd.*
on *Quercus*, in Iraq 2428
- Lachnus castaneae**
in Italy 2006
on *Castanea sativa*, in Italy 2006
- Lacon musculus**, *Metarhizium anisopliae* in,
pathogenicity of 255
- Lactase** (see Galactosidase, β -)
- lacteus**, *Apanteles*
- lacteus**, *Coptotermes*
- Lactic acid** (see Propanoic acid, 2-hydroxy-)
- lactinea**, *Amsacta*, (*Estigmene*)
- lactis**, *Carpoglyphus*
- Lactones**
in air of insect-rearing laboratories 4724
in *Anthonomus grandis* 72
- Lactuca**, *Pegohylemyia gnava* on, in
Czechoslovakia 5405
- Lactuca sativa** (see Lettuce)
- Lactuca scariola**
Pegohylemyia gnava on, in
Czechoslovakia 5405
Pempigus bursarius on 573
- Lactuca virosa**, *Pegohylemyia gnava* on, in
Czechoslovakia 5405
- lactucae**, *Hyperomyzus*
- lacunana**, *Argyroplote*, (*Olethreutes*)
- Laemophloeus**
in flour mills
in India 1562
in Portugal 1535
- Laemophloeus ater** (see *Cryptolestes sparti*)
- Laemophloeus pusillus** (see *Cryptolestes*)
- Laemophloeus testaceus** (see *Placonotus*)
- laensis**, *Pseudodoniella*
- laesicollis**, *Ellimenistes*
- laeta**, *Habrochila*
- laetatorius**, *Diplazon*
- Laevicephalus saskatchewanensis**
sp. n., description of 1101
in Canada 1101
on grasses, in Saskatchewan 1101
- laeviceps**, *Rhinyptia*
- laevigata**, *Aleochara*
- laevigatum**, *Lygidolon*
- laevigatus**, *Alphitobius*
- laevigatus**, *Apanteles*
- laevis**, *Macrosteles*
- laevis**, *Pseudoperichaeta*
- laeviusculus**, *Exochomus*
- Lagenaria siceraria**
Aphis gossypii on, insecticide
susceptibility of 4934
Poecilocus pictus on, in Haryana 7169
- Lagenaria vulgaris**
Aulacophora foveicollis on, feeding by
1447
insecticides in, toxicity of 1446
Palpita indica on, in Uttar Pradesh 4334
- Lagodon rhomboides**, malathion in, esterase
inhibition by 5808
- Lagriini**
defensive behaviour in 2403
defensive secretion in 2403
- lahorensis**, *Prospaltella*
- Lake sediments**, organochlorine insecticides
in, residues of 2302
- Lakes**
DDT in, residues of 5212
dieldrin in, residues of 5212
insecticides in, residues of 3889
- Lakes, reservoir**
Macrotermes barneyi in dams of, in
Kwangtung Province 6647
Odontotermes formosanus in dams of, in
Kwangtung Province 6647
termite damage to embankments of, in
Chekiang Province 6645
- lahani**, *Paluda vitripennis*
- Lamachus**, parasitising, *Neodiprion swainei*,
in Quebec 5452
- lamanianus**, *Schedorhinotermes*
- Lambdina athasaria athasaria**
control of, insecticides for 3764
in USA 3764
on *Tsuga canadensis*, in Pennsylvania
3764
- Lambdina athasaria pellucidaria** (see *L.*
pellucidaria)
- Lambdina fiscellaria fiscellaria**
control of, JH mimics for 5656
Cordyceps militaris in, and biological
control using, in British Columbia
6843
in Canada 5656, 6843
on *Abies balsamea* 2569
in Quebec 5656
rearing of, diets for 2569
- Lambdina fiscellaria lugubrosa**
control of
growth regulators for 4555
insecticides for 520
- Lambdina fiscellaria somnaria**, nuclear
polyhedrosis virus in, sunlight sensitivity
of 5074
- Lambdina pellucidaria**
control of
Bacillus thuringiensis for 3054
insecticides for 3054
in USA 3054
on *Pinus rigida*, in Massachusetts 3054
- lamellata**, *Cotterellia*, (*Chrysocharis*)
- Lamellicorns**, predators of, in Argentina
774
- lamimani**, *Coptophylla*
- Laminaranase**, in *Locusta migratoria* gut
739
- Lamium amplexicaule**, *Amblyseius swirskii*
on, feeding on pollen 7217
- Lampides boeticus**
in India 2051
on pea, in Himachal Pradesh 2051

- Lampronota**, parasitising, *Yponomeuta rorellus*, in Ukraine 6818
- lampros**, *Bembidion*
- Lamprosema diemenalis**
in India 4951
in Malaysia 861
on *Phaseolus aureus*, in Malaysia 861
on soy bean, in Madhya Pradesh 4951
parasitised by, *Apanteles* spp., in Malaysia 861
- Lamyctes fulvicornis**
in UK 4772
in grain fields, in England 4772
preying on, Collembola, in England 4772
- lanata**, *Chrysopa*
- lanceolatisetae**, *Cenopalpus*
- Landrin** (see Phenol, 2,3,5-trimethyl-, methylcarbamate, with 3,4,5-trimethylphenyl methylcarbamate)
- langei**, *Galioibium*
- lanigerum**, *Eriosoma*
- lanispina**, *Tipula*
- Lanius ludovicianus**, mirex in, residues of 5147
- lankensis**, *Cotterellia*
- Lannate** (see Methomyl)
- Lanosta-8,24-dien-3-ol**, (3β)-, in *Hylobius pales* diet, requirement for 923
- Lantana camara**
control of, biological 1328
Eriophyes lantanae on
damage caused by 222
in Brazil 222
extracts of, in *Dysdercus cingulatus*, JH activity of 4529
Octotoma scabripennis on, and biological control using, in Queensland 2746
Rhynacus kraussii on, in Colombia 222
Teleonemia prolixa on
and biological control using, in Queensland 4240
in South America 4240
- T. scrupulosa** on
and biological control using 6657
in Queensland 2746
- Uroplata girardi** on, and biological control using, in Queensland 2746
- lantanae**, *Eriophyes*
- Laodelphax striatella** 1803
biology of 2188, 4132
carbaryl resistance in, in South Korea 3278
cereal tillering disease, causal agent in, transmission of 3803
control of, insecticides for 835, 1954, 2188, 4541
food preferences of 825
in Japan 826, 835, 1355, 1359, 1954
in South Korea 1360, 2188, 3278, 4132
malathion resistance in, in South Korea 3278
mating in 7079
- Laodelphax striatella** contd.
mating signal of 5901
nutrition of 5876
oat sterile dwarf virus in, not transmitted 3803
on *Agropyron kamijo*, in South Korea 4132
on barley, in South Korea 4132
on *Echinochloa crus-galli*, development of 5755
on rice 3436
development of 5755
in Hiroshima Prefecture 835
in Japan 826, 1954
in South Korea 1360, 2188, 4132
in Tokushima Prefecture 1354-1355
resistance to 825, 1360
ovarian development in 7079
oviposition in 825
into carbohydrate solutions 5338
parasitised by, *Haplogonatopus atratus*, in South Korea 2188
rice black-streaked dwarf virus in, transmission of 826
rice giallume virus in, not transmitted 7250
rice stripe virus in
in Hiroshima Prefecture 835
in Japan 1359
in South Korea 2188
transmission of 826, 835, 1359, 2188
seasonal abundance of 1355
sterilisation of, chemosterilants for 3436
symbionts in 2387
traps for 4132
yeast-like organisms in 6329
- Lapaemides dedalus**
biology of 310
in Surinam 310
on *Astrocaryum paramaca*, in Surinam 310
on *Astrocaryum segregatum*, in Surinam 310
on banana 310
on coconut, in Surinam 310
on *Maximiliana maripa*, in Surinam 310
- lapathi**, *Cryptorhynchus*
- Laphygma exigua** (see *Spodoptera*)
- lapidarius**, *Biscirus*, (*Bdellodes*)
- laportei**, *Cedrobium*
- lappella**, *Metzneria*
- Lapwing** (see *Vanellus vanellus*)
- Larch** (see *Larix*)
- Larch**, European (see *Larix decidua*)
- Larch**, Japanese (see *Larix kaempferi*)
- Larch**, Polish (see *Larix decidua*)
- Larch**, Siberian (see *Larix sibirica*)
- Larch**, western (see *Larix occidentalis*)
- lardarius**, *Dermestes*
- Lardoglyphus konoi**
digestive system in 2367
nervous system in 2369

***Lardoglyphus konoi* contd.**

reproductive system in 2368

largoensis*, *Amblyseius***laricana*, *Cryptoblabes******laricana*, *Spilonota******laricella*, *Coleophora******laricicola*, *Lasiomma*, (*Hylemya*)*****laricinellae*, *Chrysocharis******laricis*, *Dasineura******laricis*, *Oristiphora******laricis*, *Pristiphora******laricivorus*, *Pachynematus* (see *Pristiphora*
glauca and *P. takagii*)*****laricivorus*, *Pristiphora******larinus*, *Paracoccus******Larix****Aradus cinnamomeus* on, damage caused
by 5691 γ -BHC in, residues of 3301*Cinara boernerii* on, in East Germany
1307*Coleophora laricella* on, in Czechoslovakia
6845*Cydia millenniana* on 4403*Dasineura laricis* on, in Siberia 7442*Formica lugubris* constructing mounds
from needles of 755*Hyalophora* spp. on, in Ontario 3371*Hymenoptera* on, in West Germany
3055*Ips subelongatus* on, in Tuva 5694*Lepidoptera* on, in Alps 2128*Lymantria dispar* on, in Iwate Prefecture
2237*L. monacha* on, in USSR 1878*Pristiphora erichsonii* on 910
in Minnesota 3833*Taeniothrips laricivorus* on 3301*Zeiraphera diniana* on 1592

in Europe 1294, 3058

in Switzerland 1896, 2128, 2158,
2163–2164, 3135, 5660–5661, 6004,
6847, 6911***Larix dahurica****Lasiomma laricicola* ondamage caused by 1871
in Soviet Far East 1871***Larix decidua****Anoplonyx duplex* on, in Switzerland
2161*A. ovatus* on, in Switzerland 2161*A. versicolor* on, in Finland 4605*Dasineura laricis* on, in Czechoslovakia
1774*Eurytoma bouceki* ondamage caused by 3368
in Poland 3367–3368*Megastigmus pictus* on, in Poland 1888,
6545*Pachynematus imperfectus* on, in
Switzerland 2161***Larix decidua* contd.***Pristiphora laricis* on, in Switzerland
2161*Resseliella skuhravyorum* on, in Poland
3987*Urocercus gigas* on

in Irish Republic 4154

in Northern Ireland 4154

Zeiraphera diniana on, in Switzerland
2161, 2255, 3747***Larix kaempferi****Lasiomma laricicola* ondamage caused by 1871
in Soviet Far East 1871*Paralobesia palliolana* on, in Michigan
3745***Larix kurilensis****Lasiomma laricicola* ondamage caused by 1871
in Soviet Far East 1871***Larix laricina*, *Paralobesia palliolana* on, in
Michigan 3745*****Larix leptolepis* (see *L. kaempferi*)*****Larix lubarski****Lasiomma laricicola* ondamage caused by 1871
in Soviet Far East 1871***Larix occidentalis****Choristoneura occidentalis* on, in USA
5009*Coleophora laricella* on 4805***Larix olgensis****Lasiomma laricicola* ondamage caused by 1871
in Soviet Far East 1871***Larix polonica* (see also *Larix decidua*)***Eurytoma bouceki* ondamage caused by 3368
in Poland 3367–3368*Resseliella skuhravyorum* on, in Poland
3987***Larix sibirica****Anoplonyx versicolor* on, in Finland
4605*Lasiomma laricicola* ondamage caused by 1871
in Soviet Far East 1871***Larix ridibundus*, eggs of, organochlorine
residues in 1047*****Larvaevoridae***

on sugar-beet

in England 4345

pollination by 4345

larvarum*, *Exorista***Lasagna macaroni****Oryzaephilus mercator* in, development of
7462*O. surinamensis* in, development of 7462*Tribolium castaneum* in, development of
7462*T. confusum* in, development of 7462

Lasagna noodles

Oryzaephilus mercator in, development of 7462

O. surinamensis in, development of 7462

Tribolium castaneum in, development of 7462

T. confusum in, development of 7462

Lasiocampidae

in Sardinia 1201

parasitised by

Sarcophagidae, in USSR 1874

Tachinidae, in USSR 1874

traps for 1201

Lasiochalcidia, taxonomy of 559**Lasioderma serricorne**

cholesterol in, developmental changes in 5859

control of

fumigants for 445, 6298, 6308

growth regulators for 5768

insecticides for 501, 1547, 3089, 5798, 6241

microwave irradiation for 5703

temperature control for 6241

tricalcium phosphate for 1548

development in, effects of diet on 4096

fecundity in, effects of diet on 4096

flight activity in 501

in Australia 445

in Cyprus 501

in Egypt 3780

in India 5399

in USA 3089

in composite cans, resistance to 4431

in maize meal, extraction of 657

in milk powder, development of 7459

in packaging materials

penetration by 6291

resistance to 454

in stored carobs, in Cyprus 501

in stored garlic, in Egypt 3780

in stored mushrooms, in India 5399

in stored products, in USA 3089

in stored tobacco 5703

effects of redrying on 6290

in Queensland 445

in wheat flour, extraction of 657

multiple mating in 6281

preyed on by, *Tribolium castaneum* 4433

Lasiohelea, taxonomy of 1493**Lasiomma laricicola**

in USSR 1871

on *Larix*

damage caused by 1871

in Soviet Far East 1871

Lasiopsylla rotundipennis, lerps of 7049**Lasius fuliginosus**, trail pheromone of,

components of 2690

Lasius niger

associated with, *Myzus persicae*, in Japan 3837

control of 6857

Lasius niger *contd.*

in Finland 5635

in Japan 3837

prey antigens in, detection of 5385

preying on

Chrysopa carnea, in Finland 5635

Neodiprion sertifer 5385

Lasius umbratus

associated with

Cinara piceae, in Austria 931-932

Prociphilus fraxini, in Austria 931

in Austria 931-932

searching behaviour in 932

Laspeyresia (see *Cydia*)**Laspeyresia anaranjada** (see *Cydia*)**Laspeyresia caryana** (see *Cydia*)**Laspeyresia ingens** (see *Cydia*)**Laspeyresia medicaginis** (see *Cydia*)**Laspeyresia molesta** (see *Cydia*)**Laspeyresia nigricana** (see *Cydia*)**Laspeyresia pactolana** (see *Cydia*)**Laspeyresia pomonella** (see *Cydia*)**Laspeyresia pseudonectis** (see *Cydia*)**Laspeyresia splendana** (see *Cydia*)**Laspeyresia toreuta** (see *Cydia*)**lasus**, *Brachymeria***lataniae**, *Hemiberlesia***latebrosus**, *Paracoccus***latecincta**, *Parena* (see *P. nigrolineata*)**latens**, *Petrobia***Latheticus oryzae**

control of, inert dusts for 5709

development in, effects of γ -irradiation on 2458

in India 1562

in USA 5709

in flour mills, in India 1562

in milk powder, development of 7459

in stored wheat, in Kansas 5709

sterilisation of, γ -irradiation for 2458

Lathridiidae, in dwellings, in West Germany 1249**Lathridius minutus**

in Canada 1551

in stored grain, in Canada 1551

traps for 1551

Lathrolestes, parasitising, *Hoplocampa*

testudinea, in Byelorussia 6010

Lathrolestes caudatus

in Netherlands 2655

parasitising, *Ardis bruniventris*, in

Netherlands 2655

Lathrolestes marginatus 6010**Lathrolestes nigricollis**

in Austria 3749

parasitising

Fenusa pusilla

and biological control using

in Canada 1883

in Newfoundland 3749

traps for 3749

- Lathronympha phaseoli***, granulosus virus in 3149
- Lathyrus***, *Kakothrips pisivorus* on, in Bulgaria 3027
- Lathyrus pratensis***, *Pemphigus populi* on, in UK 4417
- Lathyrus* (stored seeds)**, *Acanthoscelides obtectus* in, in Bulgaria 453
- Lathys***, preying on, *Oligonychus hondoensis*, in Nagasaki Prefecture 3739
- laticeps***, *Dinarmus* (see *D. basalis*)
- laticeps***, *Steneotarsonemus*
- laticinerea***, *Lithophane*
- laticollis***, *Aethus*
- laticollis***, *Ernobius*
- latidens***, *Ips*
- latifasciana***, *Acleris*
- latifemur***, *Chaetonerieus*
- latifrons***, *Palarus*
- latinotus***, *Ancistrotermes*
- latipennis***, *Acrostilpna*, (*Phorbia*)
- latipennis***, *Chorthippus*
- latipes***, *Cyrtoptyx*
- latipes***, *Mocis*
- latisetia***, *Tenuipalpus*
- lativentris***, *Amitermes*
- Latoia bicolor***, control of, insecticides for 6691
- Latoia lepida***
- in India 6754
- on mango, in Karnataka 6754
- preyed on by, *Cantheconidea furcellata*, in Karnataka 6754
- latus***, *Carabus lusitanicus*
- latus***, *Polyphagotarsonemus* (*Hemitarsonemus*)
- latus***, *Selatosomus*
- latysiphon***, *Rhopalosiphoninus*
- Laurel**, bay (see *Laurus nobilis*)
- Lauric acid** (see Dodecanoic acid)
- Laurus nobilis***
- Lindingaspis ferrisi* on, in Egypt 3511
- Trioza alacris* on, in France 2763-2764
- Lavandula hybrida***
- Cechenotettix quadrinotatus* on, in France 217
- Hyalesthes obsoletus* on, in France 217
- lavender yellows, causal agent in, in France 217
- Lavender**
- Isophya tenuicera* on, in Bulgaria 224
- pest control on 224
- Lavender yellows**
- causal agent in
- Cechenotettix quadrinotatus*, transmission of 217
- Hyalesthes obsoletus*, transmission of 217
- Lavandula hybrida*, in France 217
- lawsoni***, *Erythroneura*
- Lead**
- in foodstuffs, residues of 7646
- in *Solenopsis invicta* 2697
- in *Solenopsis invicta* queens 5311
- Leaf-folders**, on food crops, damage caused by 725
- Leaf-miners**
- food-plants of, in Poland 175
- parasitised by, Ichneumonidae, in England 6632
- Leaf-rollers**, on food crops, damage caused by 725
- Leafhoppers**
- in irrigated pastures
- in Nebraska 5935
- sampling of 5935
- Mycoplasmatales in, transmission of 4457
- on *Citrus*, in California 337
- on grasses, in Puerto Rico 1975
- preyed on by
- Leptogaster cylindrica*, in USSR 1876
- spiders, in Japan 6065
- Lebanon**
- almond in
- pest control on 7550
- pests of 7550
- Capnodis carbonaria* in, on almond 6097
- C. tenebrionis* in, on almond 6097
- Cenopalpus musai* in, on *Rubus* 7011
- Cerambyx dux* in, on almond 6097
- Didesmococcus unifasciatus* in
- natural enemies of 4895
- on almond 4895
- Eriogaster amygdali* in, on almond 4894
- mealybugs in, on grapevine and fig 4302
- Odinadiplosis amygdali* in
- natural enemies of 7014
- on almond 7014
- Parasynthemis cedricola* in, on *Cedrus* 1100
- Scolytus amygdali* in, on almond 6097
- S. mediterraneus* in, on almond 6097
- Tetranychus cinnabarinus* in 4606
- Lebaycid** (see Fenthion)
- Lebia**
- activity in 1295
- in Quebec 1295
- Lebistes reticulata*** (see *Poecilia*)
- lecaniorum***, *Encyrtus*
- Lecanium***, taxonomy of, *Didesmococcus unifasciatus* misidentified as, in Lebanon 4895
- Lecanium coryli*** (see *Eulecanium tiliae*)
- Lecanium tiliae*** (see *Eulecanium*)
- Lecanodiaspis sardoa***
- in France 2722
- on *Cistus*, in France 2722
- lecheana***, *Ptycholoma*
- Lecithinase** (see Phospholipase)
- Lecithins**
- in *Ceratitis capitata*, biosynthesis of 1066

Subject Index

Lecithins *contd.*

- in HeLa cells, effects of insecticides on 2309
- in *Pieris brassicae* 33, 2400
- in *Trichoplusia ni*, synthesis of 3393

lecontei, Neodiprion**lectus, Apanteles****lederi, Otiorhynchus ligustici****Ledra aurita**

- biology of 1384
- in Italy 1384
- on grasses, in Italy 1384
- on hazel, in Italy 1384
- parasitised by, *Tetrastichus ledrae*, in Italy 1384

ledrae, Tetrastichus**Ledrinae**, in Ethiopian region 2351**leegei, Juncobia****Leek (*Allium porrum*)**

- Acrolepiopsis assectella* on, oviposition by 569, 5631
- carbaryl in, residues of 4331
- diazinon in, residues of 4331
- leafhoppers on, in Poland 5590
- Liriomyza nitzkei* on, in Italy 6174
- malathion in, residues of 4331
- pest control on, in UK 3272
- Phytobia cepae* on, in Taiwan 379
- Thrips tabaci* on, in Queensland 381
- Leek, Chinese** (see *Allium fistulosum*)
- Leek powder**, diet component for, *Acrolepiopsis assectella* 1830

Leersia japonica, Baliothrips bififormis on, in Kiangsu Province 6687**Leersia oryzoides**, rice gallium virus in, in Italy 7250**Leeward Islands, Reduviidae** in 5378**Legislation**

- pesticide legislation in Senegal 6269
- pesticide registration in USA 6266
- plant protection in West Germany 6993
- Legume seeds**, arthropod pests of, in Peru 692

Legumes

- Acyrtosiphon pisum* on, in USSR 5456
- aphid-borne viruses of, management of 1449
- Bemisia tabaci* on 6768
- Callosobruchus maculatus* on, in Egypt 3898
- diseases of 6768
- Melanoplus sanguinipes* on, resistance to 2835
- pest control on 7619
- pests of 5699
 - in Canada 4248
 - in Denmark 5400
- Legumes (stored seeds)**, pest control in, in Portugal 1539
- Leguminosae**
 - cowpea aphid-borne mosaic virus in, infectivity of 2931

Leguminosae *contd.*

- Tetranychus turkestanii* on 1927
- Leiodinus krameri**
 - control of
 - acaricides for 5055
 - fumigants for 5055
 - in India 5055
 - in Japan 7460
 - in milk powder, in Japan 7460
 - in stored grain, in Orissa 5055
- Leiodinus*, in North America 1082
- Leiodinus accinctus**, taxonomy of, *Peristenus rubricollis* misidentified as, in Poland 196
- Leiodinus pallipes**, taxonomy of, *Peristenus rubricollis* misidentified as, in Poland 196
- Leiodinus pseudopallipes**, taxonomy of, transferred to *Peristenus* 1082
- Leiodinus reclinator**, taxonomy of, *Peristenus digoneutis* misidentified as, in Poland 196
- Leiodinus relictus**, taxonomy of, *Peristenus stygicus* misidentified as, in Poland 196
- Leiodinus nebulosus**
 - in Poland 6813
 - on *Quercus robur*, in Poland 6813
- Leis conformis**
 - in Australia 1451
 - preying on, aphids, in New South Wales 1451
- Lema**
 - on grain crops, in USSR 6656
 - on thistle, in USSR 6656
- Lema cyanella**
 - on grain crops, not feeding 6656
 - on thistle 6656
 - taxonomy of 6656
- Lema gallaeciana**
 - biology of 2772
 - Entomophthora* spp. in, in Poland 2774
 - in Poland 2772-2774
 - on grain crops
 - damage caused by 2773
 - in Poland 2772-2773
 - on grasses, in Poland 2772
 - parasitised by
 - Anaphes flavipes*, in Poland 2774
 - Eupteromalus micropterus*, in Poland 2774
 - preyed on by
 - Chrysopidae, in Poland 2774
 - Coccinellidae, in Poland 2774
 - mites, in Poland 2774
- Lema lichensis** (see *Hapsidolema*)
- Lema melanopus** (see *Oulema*)
- Lemmus obensis**, carbaryl in, effects on reproduction of 6971
- Lemna minor**
 - carbaryl in, residues of 4580
 - 3,5-dimethylphenyl methylcarbamate in, residues of 4580

Lemon (*Citrus limon*)

- Aceria sheldoni* on damage caused by 6745
- effects of plant nutrition on 2896
- in Cyprus 6745
- Amblyseius fructicolus* on, not feeding 5339
- A. hibisci* on, not feeding 5339
- A. stipulatus* on, not feeding 5339
- Aonidiella aurantii* on 137
 - effects of rootstock on susceptibility to 3638
- Bemisia citricola* on, in Sicily 6551
- citrus tristeza virus in, aphid transmission of 4912
- Coccus aegaeus* on, in Greece 6121
- Dacus dorsalis* on, in California 2667
- Dialeurodes citri* on, in France 6123
- Orthezia praelonga* on, in Brazil 5586
- Panonychus citri* on, in Italy 2028
- Parlatoria pergandii* on, in Nigeria 3635
- Phyllocoptruta oleivora* on, development of 661
- Planococcus citri* on
 - assessing infestations of 6125
 - in Italy 6125
- Toxoptera citricida* on, in South Africa 4912
- Trioza erytraea* on, in South Africa 4911

Lemon, rough (see *Citrus jambhiri*)**Lemongrass (see *Cymbopogon*)*****Lemophagus curtus***

- in USA 6676
- parasitising
 - Oulema melanopus* 2725
 - in Michigan 6676
- taxonomy of, characters distinguishing *Diaparsis* and 2725

Lemophagus japonicus

- in Japan 1286
- parasitising, *Oulema oryzae*, in Japan 1286
- taxonomy of, transferred from *Diadegma* 1286

lengi*, *Ceratomegilla maculata***Lenodora vittata***

- descriptions of 4867
- development in 4867
- in India 4867
- on *Imperata cylindrica*, in Karnataka 4867
- on rice, in Karnataka 4867

Lens culinaris* (see Lentil)**Lens esculenta* (see Lentil)*****lentiginosus*, *Amblyseius*****Lentil (*Lens esculenta*)**

- Aphis craccivora* on, feeding by 503
- Frankliniella schultzei* on, in Peru 1245
- pest control on, in Sri Lanka 536

Lentil (stored seeds)

- Acanthoscelides obtectus* in, in Bulgaria 453

Lentil (stored seeds) contd.

- pest control in
 - inert dusts for 3800
 - insecticides for 3801

Lentinus*, in, wood, effects on termites of 4234**Lenzites*, in, wood, effects on termites of 4234*****leona*, *Anomis******Lepadoretus*, on *Phaseolus aureus*, in Malaysia 861*****Lepersinus fraxini***

- in Poland 1300
- on *Fraxinus*, in Poland 1300
- parasitised by, *Trichogramma semblidis*, in Poland 1300

Lepersinus orni

- in Poland 1300
- on *Fraxinus*, in Poland 1300
- parasitised by, *Trichogramma semblidis*, in Poland 1300

lepida*, *Latoia***Lepidium densiflorum*, *Hylemya brassicae* on, development of 3565*****Lepidium draba* (see *Cardaria*)*****Lepidium perfoliatum*, *Acyrtosiphon gossypii* on 6809*****Lepidocyrtus cyaneus***

- control of, insecticides for 2740
- on mushroom 2740

Lepidoptera***Bacillus thuringiensis* in, in Bulgaria 5736**

- biology of 6906
- books on 5848
- cell lines of, culture medium for 1831
- Chilo* iridescent virus in, infectivity of 3828
- chromosomes in 6515
- control of

- Bacillus thuringiensis* for 6819
- insecticides for 2657, 2827, 4268, 4921, 6759, 7391, 7606, 7608, 7617
- integrated 6906
- traps for 3497

- cuticle in, mechanical properties of 4050
- cytoplasmic polyhedrosis virus in, infectivity of 5737

eggs of 3379**emergence in 5241****flight activity in 2617, 7124****food-plants of 5241****illustrations of 3354****in Arizona 6652****in Austria 2615, 4525****in Bulgaria 2623****in Czechoslovakia 2617****in France 2616****in Hungary 2613–2614, 2620****in Maine 5240****in North America 5241****in Norway 117**

Lepidoptera contd.

- in Sardinia 1201
- in Yugoslavia 2614, 5435
- in apple orchards, identification of 7314
- in beech forests, in Poland 5017
- in flour, in Yugoslavia 6885
- in foodstuffs 6855
- in larch forests, effects of insecticides on 5660
- in mills, in Yugoslavia 4485
- in oak forests, in Poland 5017
- in stored grain
 - in East Germany 2170
 - in Yugoslavia 6885
- in wheat fields, effects of fertilizers on 6917
- induced sterility in 3244
- leaf-mines caused by 4238
- Melolontha melolontha* lethargy disease
 - agent in, no effects from 6880
- migration in 2611, 2623
- mites on, books on 5979
- Nosema* spp. in
 - in Yugoslavia 6885
 - infectivity of 475
- nuclear polyhedrosis virus in, infectivity of 5737, 6883
- on apple 7687
 - in Netherlands 7617
- on beet, in USSR 5612
- on cabbage, in Czechoslovakia 4921
- on cacao, in Ghana 2104
- on conifers, in New Zealand 1228
- on cotton, in Karnataka 7391
- on fruit trees, in Japan 3841
- on *Larix*, in Alps 2128
- on lettuce, in Queensland 6759
- on maize, in Nigeria 4268
- on protea
 - damage caused by 5938
 - in South Africa 5938
- on *Protea barbigera*
 - damage caused by 1500
 - in South Africa 1500
- on pulse crops 6771
- on *Quercus agrifolia*, in California 2135
- on *Quercus suber*, in Italy 3754
- on rice 6906
 - in Pakistan 7267
- on shrubs, in USA 5687
- on sugar-cane
 - in Bahamas 7222
 - in Dominican Republic 7223
 - in Pakistan 816
- on tea 6801
 - in Japan 3841
- on trees, in Iraq 4397
- parasites of 5825
 - in Switzerland 2128
- parasitised by
 - Braconidae, in Japan 3841
 - Chorinaeus* spp. 7018

Lepidoptera contd.

- parasitised by *contd.*
 - Chorinaeus* *contd.*
 - C. funebris* 1294
 - Hymenoptera 1834
 - Ichneumonidae, in Japan 3841
 - Ichneumonoidea, in England 6632
 - Monodontomerus dentipes* 4402
 - Pteromalus puparum* 6022
 - Sclerodermus domesticus* 3105
 - Tachinidae, in Brazil 4808
 - Trichogramma* spp., and biological control using, in Ukraine 6621
 - preyed on by
 - birds, in New Zealand 2827
 - Calotes nemoricola*, in India 7202
 - Paederus alfieri*, in Egypt 5506
 - radiosensitivity of 6597
 - rearing of, techniques for 3504, 4175
 - Serratia marcescens* in
 - effects of 2227
 - in India 3143
 - pathogenicity of 2227
 - sex pheromones of 3497, 7557, 7568
 - sex ratio in, in light-trap catches 1820
 - sterilisation of, prediction of radiation dose required for 3427
 - Thelohania* spp. in, in Yugoslavia 6885
 - tracheal anastomotic node in 4010
 - traps for 1201, 2579, 2613-2617, 2620, 3497, 4168, 4525, 5373
- lepidopterorum, Cheletomorpha**
lepidosaphes, Aphytis
Lepidosaphes beckii
- Aschersonia* spp. in, in Nigeria 3635
 - biology of 708, 3635, 5100
 - control of, insecticides for 334-335
 - descriptions of 3635
 - in Egypt 334-335, 7284
 - in France 6127, 6134
 - in Italy 5106
 - in New Caledonia 4798
 - in Nigeria 3635
 - in Peru 708
 - in USA 4324
 - on *Citrus*
 - in Egypt 334-335
 - in France 6127
 - in Italy 5106
 - in New Caledonia 4798
 - in Peru 708
 - in Texas 4324
 - in West Africa 5100
 - on orange
 - in France 6134
 - in Nigeria 3635
 - on tangerine, in Nigeria 3635
 - parasitised by
 - Aphytis* spp. 5097
 - A. cochereaui*, in New Caledonia 4798

***Lepidosaphes beckii* contd.**parasitised by *contd.**Aphytis* *contd.**A. lepidosaphes*

and biological control using

in France 6127, 6134

in Texas 4324

population dynamics of 6127

preyed on by

Pharoscymnus tetrastictus, in Nigeria

3635

Scymnus interruptus 179***Lepidosaphes gloverii* (see *Insulaspis*)*****Lepidosaphes populi***

in Bulgaria 7208

parasitised by

Aphytis mytilaspidis, in Bulgaria 7208*A. proclia*, in Bulgaria 7208***Lepidosaphes tubulorum***

fungi in, in Japan 2238

in Japan 2238

Lepidosaphes ulmi

biology of 6721

control of

bark scraping for 6721

insecticides for 6721

descriptions of 6721

in Bulgaria 7208

in Egypt 7284

in USSR 6721, 6808

on apple, in Ukraine 6721

on *Populus*, in Ukraine 6721on *Salix*, in Ukraine 6721

parasitised by

Aphytis mytilaspidis, in Bulgaria 7208*A. proclia*, in Bulgaria 7208***lepidus*, *Orgilus******Lepomis macrochirus*, mirex in, residues of**

2300

leporina*, *Acronicta*, (*Apatele*)**Leptinotarsa decemlineata***

aestivation in 6530

bacteria in, effects of 489

Beauveria bassiana in

development of infection with 489

pathogenicity of 3153

 γ -BHC resistance in 4969

in East Germany 5621

in Poland 3205, 4968

biology of 4967, 6172, 6784

carbaryl resistance in 4969

control of 2959, 4967

antifeedants for 2261, 5628

Bacillus thuringiensis for 5746, 7648*Beauveria bassiana* for 2960, 2963,

5746, 7648

cultural measures for 7380

fumigants for 5916

garlic products for 513

growth regulators for 2284

insecticide-pathogen mixtures for 2963

***Leptinotarsa decemlineata* contd.**control of *contd.*

insecticides for 372–374, 881, 1050,

1467–1468, 1602, 1679, 2277, 2961,

2963, 3205, 3286, 3311, 3958, 3960,

4969, 5620–5621, 5629, 5750, 6784,

7377, 7380, 7604, 7609, 7652

quarantine for 7380

trap crops for 7377

DDT resistance in 4969

in East Germany 5621

in Poland 3205, 4968

development in, effects of potato varieties on 2962

distribution of 4967

farnesane derivatives in, growth-regulator activity of 6939

fat-body in 36

feeding responses in, to amino acids 1184

flight muscles in, mitochondria formation in 1760, 4074

Hexamermis albicans in, in USSR 6168

in Austria 7609

in Canada 1679

in Czechoslovakia 7103

in Denmark 5400

in East Germany 1050, 5620–5621

in France 2963, 7609

in Italy 7609

in Netherlands 3960

in Poland 372–374, 881, 1463,

1467–1468, 1602, 2277, 2959–2961,

3205, 3311, 3682, 4130, 4350–4351,

4968, 6782, 6927–6928, 7652

in Portugal 7609

in Spain 7609

in Switzerland 2261, 7609

in UK, in imported wheat 5978

in USA 3958

in USSR 2963, 5628–5629, 5746, 5916,

6168, 6172, 6354–6355, 6530, 6784,

7219, 7377, 7380, 7648

insecticide resistance in, testing for 1205, 2543

insecticide susceptibility in

effects of food-plant on 5875

effects of temperature on 3205, 3286

juvenile hormone in, regulation of 5300

Melolontha melolontha lethargy disease

agent in, no effects from 6880

methoxychlor resistance in 4969

in Poland 3205

mortality in 3682

moulting hormones in, tissue synthesis of 3417

Nosema polygrammae in, infectivity of 2195on *Atropa belladonna*, in Ukraine 7219on *Capsicum annuum*, in Ukraine 7219

on eggplant

in Moldavia 6354

***Leptinotarsa decemlineata* contd.**

- on eggplant *contd.*
 - in USSR 7380
- on endive, imported into UK 2275
- on *Hyoscyamus niger*, in Ukraine 7219
- on potato 2438, 7604
 - damage caused by 6927-6928
 - development of 5875
 - imported into Finland 2273
 - imported into Turkmenia 5916
 - in Bulgaria 2273
 - in Byelorussia 6172, 7377
 - in East Germany 1050, 5620-5621
 - in France 2963
 - in Moldavia 6354-6355
 - in Netherlands 3960
 - in Ontario 1679
 - in Poland 372-374, 881, 1467-1468, 2959-2961, 3205, 3311, 3682, 4350, 4968, 6782, 6927-6928, 7652
 - in Russian Republic 6784
 - in Switzerland 2261
 - in Ukraine 5628
 - in USA 3958
 - in USSR 5629, 5746, 6168, 6530, 7380
- on *Solanum cardiophyllum* 2438
- on *Solanum chacoense* 2438
 - development of 5875
- on *Solanum chicki* 2438
- on *Solanum polyadenium*, resistance to 5624
- on *Solanum subtilius* 2438
 - on timber, imported into UK 2275
- on tobacco, not feeding 6196
- on tomato
 - feeding by 6196
 - in Ontario 1679
 - in USSR 7380
- overwintering in 5746
- oviposition in, hormonal regulation of 2438
- Paecilomyces farinosus* in
 - and biological control using, in Poland 2960
 - pathogenicity of 3153
- P. fumosoroseus* in, pathogenicity of 3153
- Pleistophora fidelis* in, infectivity of 2195
- population dynamics of 2959
- predators of, in Poland 1602, 3682
- preyed on by
 - Chrysopa carnea*, and biological control using, in Moldavia 6354-6355
 - Formica polyctena* 1266
 - Perdix perdix*, in Poland 4350-4351
 - Perilloides bioculatus*, in Czechoslovakia 7103
 - Phasianus colchicus*, in Poland 4350-4351
- Pristionchus uniformis* in, and biological control using, in Poland 2960

***Leptinotarsa decemlineata* contd.**

- protocerebral neurosecretory system in, effects of food on 2438
- seasonal abundance of 4130
- sex differentiation in 1205
- sodium fluoride in, toxicity of 1031
- taste receptors in 589
- Leptinotarsa undecimlineata***
 - in Cuba 2195
 - Nosema polygrammae* in
 - in Cuba 2195
 - pathogenicity of 2195
 - Pleistophora fidelis* in
 - in Cuba 2195
 - pathogenicity of 2195
- Leptispa pygmaea***
 - control of, insecticides for 4848
 - in India 4848
 - on rice, in Karnataka 4848
- Leptobyrsa decora***
 - descriptions of 1244
 - in Peru 1244
 - on *Duranta*, in Peru 1244
- Leptocoris***, on rice, in Papua New Guinea 4852
- Leptocoris rubrolineatus***
 - in USA 2342
 - taxonomy of, characters for 2342
- Leptocoris trivittatus***
 - biology of 6601
 - control of 6601
 - in USA 2342, 6601
 - in dwellings, in USA 6601
 - on *Acer negundo*, in USA 6601
 - taxonomy of, characters for 2342
- Leptocoris acuta***
 - control of 6690
 - insecticides for 717
 - enzymes in 66
 - in India 6690
 - in Indonesia 7272
 - on rice 717
 - damage caused by 7272
 - in Celebes 7272
 - in India 6690
- Leptocoris apicalis*** (see *Stenocoris*)
- Leptocoris oratoria***
 - control of, insecticides for 1951
 - in Malaysia 1951
 - on rice, in Malaysia 1951
- Leptocoris varicornis*** (see *L. acuta*)
- Leptocottus armatus***, DDE in, residues of 6409
- Leptogaster cylindrica***
 - biology of 1876
 - descriptions of 1876
 - in USSR 1876
 - preying on
 - aphids, in USSR 1876
 - Diptera, in USSR 1876
 - leafhoppers, in USSR 1876
 - Psyllidae, in USSR 1876

Leptogaster cylindrica *contd.*preying on *contd.*

wireworms, in USSR 1876

Leptoglossus, keys to 655**Leptoglossus ashmeadi**

distribution of 655

on fruit trees, in Florida 655

Leptoglossus balteatus

distribution of 655

on fruit trees, in Florida 655

Leptoglossus clypealis

dorsal abdominal glands in, secretion of 3395

metathoracic glands in, secretion of 3395

Leptoglossus concolor

distribution of 655

on fruit trees, in Florida 655

Leptoglossus corculus

distribution of 655

in USA 5679

on fruit trees, in Florida 655

on *Pinus echinata*, damage caused by 1507on *Pinus elliotii*

distribution pattern of 5679

in Florida 5679

on *Pinus taeda*, damage caused by 1507**Leptoglossus fulvicornis**

distribution of 655

on fruit trees, in Florida 655

Leptoglossus gonagra

distribution of 655

on fruit trees, in Florida 655

Leptoglossus oppositus

distribution of 655

dorsal abdominal glands in, secretion of 3395

metathoracic glands in, secretion of 3395

on fruit trees, in Florida 655

Leptoglossus phyllopus

distribution of 655

on fruit trees, in Florida 655

Leptoglossus stigma

distribution of 655

on fruit trees, in Florida 655

Leptohylemyia coarctata (see *Delia*)**Leptomastidea abnormis**, parathion in, toxicity of 6133**Leptomastix dactylopii**parasitising, *Planococcus citri*, and biological control using, in Italy 6132, 6905

rearing of, techniques for 6905

Leptomyxotermes, taxonomy of 1920**Leptopharsa gibbicarina**

sp. nov., description of 7288

in Colombia 7288

on oil palm, in Colombia 7288

Leptophos (α (4-bromo-2,5-dichlorophenyl) α -methyl phenylphosphonothioate) against*Agriotes* spp. 2281**Leptophos** *contd.*against *contd.**Agrotis ipsilon*, on cabbage 728*Aphis pomi*, on apple 1418

bollworms, on cotton 7391

Cicadellidae, on cotton 7391

Conotrachelus nenuphar, on apple 7312*Crocidolomia binotalis*, on cabbage 730*Cryptophlebia leucotreta*, on peach 5939*Cydia pomonella*, on apple 6731*Epiphyas postvittana*, on apple 6731*Euxoa messoria* 6360

on tobacco 6359, 6798

E. ochrogaster 6360

on peppermint 2977

on tobacco 6359

Heliothis spp., on cotton 2989*H. zea*, on maize 5498*Herpetogramma phaeopteralis*, on*Cynodon dactylon* 2822*Keiferia lycopersicella*, on tomato 882*Mamestra configurata* 2914*Melolontha melolontha* 2281*Mythimna separata*

on barley 3188

on maize 3188

M. unipuncta, on maize 2793*Ophiomyia phaseoli*, on *Phaseolus vulgaris* 729*Pectinophora gossypiella* 7593*Plutella xylostella*, on cabbage 730*Spodoptera frugiperda*, on maize 5498*S. littoralis* 1488, 3899, 7566, 7654

on cotton 3895

in *Amblyseius longispinosus*, toxicity of 6417

in cigarette smoke, fate of 1064

in cucumber, toxicity of 4557

in *Folsomia candida*, toxicity of 3304

in grapevine, residues of 1685

in *Hypogastrura armata*, toxicity of 3304

in maize, residues of 2793

in *Nomuraea rileyi*, toxicity of 3823in *Onychiurus folsomia*, toxicity of 3304

in plants, residues of 1658

in *Pterostichus melanarius*, toxicity of 1054

in rice swamps, non-target effects of 1044

in soil, residues of 6987

in *Spodoptera littoralis*

effects of food-plant on susceptibility to 1024

effects of gossypol on susceptibility to 1488

excretion of 6396

in *Stenolophus comma*, toxicity of 1054in *Stethorus loi*, toxicity of 6417

in tobacco, toxicity of 6359, 6798

Leptophos contd.

- in tomato, residues of 1685
- sunlight inactivation of 7654
- vaporisation of 7654
- with demeton, against, *Keiferia lycopersicella*, on tomato 882
- with endosulfan, against, *Keiferia lycopersicella*, on tomato 882
- with malathion against
 - Aphis gossypii*, on cotton 3707
 - Bemisia tabaci*, on cotton 3707
 - Empoasca lybica*, on cotton 3707
 - Tetranychus turkestanii*, on cotton 3707
- with methyl-parathion, against, *Heliothis* spp., on cotton 4374
- with omethoate against
 - Aphis gossypii*, on cotton 3707
 - Bemisia tabaci*, on cotton 3707
 - Empoasca lybica*, on cotton 3707
 - Tetranychus turkestanii*, on cotton 3707

Leptophos oxon (see Phosphonic acid, phenyl-, 4-bromo-2,5-dichlorophenyl methyl ester)**Leptopterna dolabrata**

- biology of 6701
- control of
 - crop management for 6701
 - insecticides for 6701
- descriptions of 6701
- in USSR 6701
- on grasses
 - damage caused by 6701
 - in USSR 6701

Leptothorax, rearing of, techniques for 4722**Leptothorax acervorum**, recruitment behaviour in 5431**Leptothorax muscorum**, recruitment behaviour in 5431**Leptothorax nylanderii**, recruitment behaviour in 5431**Leptothrips mali** distribution of 3357

- in USA 4803
- on *Terminalia carappa*, in Mexico 3357
- preying on, Tetranychidae, in Missouri 4803

Leptoypha ilicis, taxonomy of, characters distinguishing *L. mutica* and 6807**Leptoypha mutica**

- biology of 6807
- control of 6807
- descriptions of 6807
- in USA 6807
- on *Chionanthus virginicus* damage caused by 6807
- in Florida 6807

Leptoypha mutica contd.

- taxonomy of, characters distinguishing *L. ilicis* and 6807

Leptura rubra

- in Greece 5000
- in Poland 5713
- in wood, in Poland 5713
- on *Abies cephalonica*, in Greece 5000

Leptus, preying on, Tetranychidae, in Missouri 4803**Lepyrodes geometralis** (see *Nausinoe*)**Lepyrodes perspicata** (see *Nausinoe*)**Lepyrus palustris**

- development in 4618
- in Poland 4618
- on *Salix viminalis*, in Poland 4618
- oviposition in 4618

lesbiacus, Cyrtoptyx (see *C. latipes*)**Leskiomima australis**

- in Brazil 6438
- parasitising, *Diatraea* spp., in Brazil 6438

Lespedeza bicolor, *Heliothis* spp. on, in South Carolina 3512**Lespesia**

- parasitising
 - Caligo* spp., in Colombia 3540
 - Estigmene acrea*, in Colombia 3540

Lespesia archippivora

- biology of 4215
- in USA 1916
- in USA (Hawaii) 4215, 4993
- parasitising
 - Danaus plexippus*, in Hawaii 4215, 4993

Plathypena scabra, in Iowa 1916**Lestodiplosis pallidicornis**

- biology of 6013
- in USSR 6013
- preying on, *Apion apricans*, in USSR 6013

Lestodryinus (see *Dryinus*)**Lestremia cinerea**

- in Netherlands 1248
- on chicory, in Netherlands 1248

Lethane 384 (see Thiocyanic acid, 2-(2-butoxyethoxy)ethyl ester)**Lettuce** (*Lactuca sativa*)

- acephate in, residues of 2657
- Agrotis ipsilon* on
 - artificial infestation with 2661
 - development of 4553
 - in Florida 4923
- Aiolopus thalassinus* on, development of 5418
- Amphipyra livida* on, development of 7107
- aphids on, in Queensland 6759
- arthropod pests of, in UK 545
- Autographa gamma* on, in Egypt 4182
- γ -BHC in, metabolism of 6422

Lettuce contd.

- brood bean vascular wilt virus in, in New York 4925
- carbamates in, determination of 1825
- Chabuata major* on, development of 1798
- cucumber mosaic virus in, in New York 4925
- Diabrotica speciosa* on, in Brazil 4761
- Eucosma conterminana* on, in Poland 4926
- Feltia subterranea* on, in Florida 4923
- Hypera brunneipennis* on, in California 3604
- insect pests of, in Quebec 5476
- Lepidoptera on, in Queensland 6759
- leptophos in, residues of 1658
- lettuce mosaic virus in, in New York 4925
- Liriomyza sativae* on, in Ontario 6175
- L. trifolii* on, in Florida 4923
- Lygus hesperus* on, development of 6566
- Macrosiphum euphorbiae* on, in New York 4557, 4925
- methamidophos in, residues of 2657
- Myzus persicae* on, in New York 4557, 4925
- parathion in, residues of 4570
- Pegohylemyia gnava* on, in Czechoslovakia 5405
- Pemphigus bursarius* on 573
- in Switzerland 2912
- in West Germany 347
- Peridroma saucia* on, artificial infestation with 2661
- pest control on, biological 6354
- sowthistle yellow net virus in, infectivity of 458
- Symphyla on, in UK 4194
- Syngrapha circumflexa* on, in Egypt 4182
- Thrips tabaci* on, in Chile 4329
- Trichoplusia ni* on, in New York 4558
- Tripseuxoa strigata* on 5404
- Uroleucon pseudambrosiae* on, in New York 4925
- virus diseases of, in Israel 6324
- Lettuce extract**, *Spodoptera littoralis* feeding responses to 2670
- Lettuce mosaic virus**, in, lettuce, in New York 4925
- Leucaena leucocephala***
- Achaea janata* on, in Papua New Guinea 3013
- Ectropis sabulosa* on, in Papua New Guinea 3013
- Hyposidra talaca* on, in Papua New Guinea 3013
- Tiracola plagiata* on, in Papua New Guinea 3013
- Leucanella memusae***
- descriptions of 5243

***Leucanella memusae* contd.**

- in Brazil 5243
- on *Artocarpus*, in Brazil 5243
- Leucania loreyi*** (see *Mythimna*)
- Leucania separata*** (see *Mythimna*)
- leucaniae*, *Meloboris leucaniae*, *Vulgichneumon leucatella*, *Recurvaria***
- D-Leucine**, in *Phormia regina*, nutritional value of 1756
- L-Leucine**
- Acyrtosiphon pisum* feeding responses to 3405
- in cotton 2088
- in *Cucumis callosus* 6152
- in *Cucumis melo* 6152
- in *Dichocrocis punctiferalis* 4076
- in *Dysdercus similis* diet, requirement for 7069
- in *Hyalophora cecropia*, not incorporated into JH 2443
- in *Leptinotarsa decemlineata*, incorporation into flight-muscle proteins of 1760
- in *Macrosiphum euphorbiae* 3423
- in *Marasmia trapezalis* 4076
- in rice, effects of *Nilaparvata lugens* on 1965
- in *Schistocerca americana*, incorporation into fat-body proteins of 162
- in sugar-beet, *Lygus disponi* causing increased level of 868
- in sugar-cane, effect on *Melanaphis indosacchari* reproduction of 2380
- in *Tetrastichus israeli* diet, requirement for 6640
- in *Viteus vitifoliae* 2859
- in wheat, effects of insecticides on 274
- Spodoptera littoralis* feeding response to 2088
- Leucinodes orbonalis***
- control of
- crop management for 5329
- insecticides for 884, 3694, 5634
- Neoplectana carpocapsae* for 4783
- plant extracts for 2976
- in India 884, 2976, 3694, 5329, 5634, 7373
- on eggplant
- in India 5329
- in Karnataka 5634
- in Kerala 2976
- in Rajasthan 884
- in Tripura 3694
- on potato
- damage caused by 7373
- in Bihar 7373
- overwintering in 5329
- Leucodendron***, pests of, in South Africa 4387
- leucogaster*, *Litodactylus leucogrammus*, *Alcidodes***

leucoloma*, *Graphognathus***Leucoma salicis***

biology of 6817

control of, insecticides for 6817

hemolymph in, effects of parasitism on proteins in 5272

in USA 1720

in USSR 5836, 6817

on *Populus*

in District of Columbia 1720

in Russian Republic 6817

on *Salix*

in District of Columbia 1720

in Kazakhstan 5836

parasitised by

Linnaemya olsufjevi, in Russian Republic 6817*Telenomus* spp., in Russian Republic 6817*T. szelenyii*, in District of Columbia 1720*Trjapitzinia leucomae*, in Kazakhstan 5836

preyed on by

ants, in Russian Republic 6817

birds, in Russian Republic 6817

leucomae*, *Trjapitzinia***leucomelas*, *Aedia***

(Catephia)

leuconeurella*, *Monopis*, (*Hyalospila*)**Leucophaea maderae***

carbaryl in, metabolism of 3526

enzymes in 6481

neoplasms in, caused by severing gastric nerve 5414

Leucophlebia lineata*Beauveria bassiana* in, pathogenicity of 255*Metarhizium anisopliae* in, pathogenicity of 255***Leucopholis coneophora***

control of, integrated 3613

in India 3613

on coconut, in India 3613

leucophthalmus*, *Pilaenus* (see *P.*spumarius*)***Leucopis*, preying on, *Pineus* spp., in**

Meghalaya 1282

Leucopis puncticornis

in Austria 931

preying on, *Cinara piceae*, in Austria 931***leucopodia*, *Pristiphora*, (*Pachynematus*)*****Leucoptera coffeella***

control of, biological 4990

in Kenya 4990

in Tanzania 6197

on cacao, in Tanzania 6197

on coffee, in Kenya 4990

population dynamics of 6197

Leucoptera coffeella

control of, insecticides for 7404

***Leucoptera coffeella* contd.**

in Brazil 7404

on coffee, in Brazil 7404

Leucoptera meyricki

control of, biological 4990

in Kenya 4990

in Tanzania 6197

on cacao, in Tanzania 6197

on coffee, in Kenya 4990

population dynamics of 6197

Leucoptera scitella

control of 5559

biological 7553

insecticides for 324

integrated 7538

in Bulgaria 5559

in Italy 7538, 7553

in USSR 324

on apple

in Bulgaria 5559

in Crimea 324

in Italy 7553

parasites of, effects of pesticides on 5559

Leucoptera susinella* (see *Paraleucoptera sinuella*)**leucopterus*, *Blissus******leucopterus*, *Diaeretus******Leucospermum*, pests of, in South Africa 4387*****leucospoides*, *Ibalia******leucostigma*, *Hemerocampa***

(Orgyia)

leucostoma*, *Psilopa***Leucostoma simplex***

in USA 1168

parasitising

Nabis alternatus, in Arizona 1168*N. americoferus*, in Arizona 1168*N. capsiformis*, in Arizona 1168***Leucothrips piercei theobromae* (see *L. theobromae*)*****Leucothrips theobromae***

biology of 902

distribution of 3357

in Mexico 902

in Surinam 902

on cacao

in Mexico 902, 3357

in Surinam 902

leucotreta*, *Cryptophlebia

(Argyroploce)

leviventris*, *Meteoris**Levulose (see D-Fructose)*****lewisi*, *Brevipalpus***L.F.A., against, *Spodoptera littoralis* 3899***libania*, *Gorgopis******libocedrii*, *Syntexis******Libocedrus decurrens*, *Syntexis libocedrii* on 426****Libya**

insects in 3480

Raoiella macfarlanei in, on olive 3634

***licarsisalis*, *Herpetogramma*, (*Psara*)**

Lichens, *Asura conferta* on, in Karnataka 4762

lichensis*, *Hapsidolema

(*Lema*)

(*Oulema*)

Lichtenia viburni

descriptions of 3994

taxonomy of, characters distinguishing

Filippia follicularis and 3994

lichtensteini*, *Pemphigus***lichtensteini*, *Pityophthorus******lichtensteini*, *Eriopeltis******licus*, *Castnia*****Light-trap, electrocuting**

description of 2579

for, Lepidoptera 2579

Light-trap, fluorescent

for

Alabama argillacea 4728

Heliothis virescens 4728

H. zea 4728

Scapteriscus acletus 1796

S. vicinus 1796

Light-trap, Jermy, for, Lepidoptera 2615**Light-trap, mercury vapour, for, *Spodoptera littoralis* 4370****Light-trap, Robinson, for, Lepidoptera 2579****Light-trap, suction for**

Cydia pomonella 3873

leafrollers 3873

Light-traps

description of 2614

effects of moonlight on catches of 1375 for

Acrididae 1233

Adoretus bicolor 846

Adoxophyes orana 3631, 7591

Agrotis ipsilon 630, 1340, 4880

A. munda 630

A. segetum 1340

Amyelois transitella 6098

Archips podanus 7591

Arctiidae 142

Argyrotaenia pulchellana 317

Bothynus gibbosus 153

Cryptophlebia leucotreta 2084

Curculio elephas 5121

C. glandium 5121

C. venosus 5121

Cydia spp. 5686

C. caryana 7302

C. molesta 5139

C. pomonella 1634, 5558, 6375, 7591

Delphacidae 2324

Dioryctria spp. 2150, 5686

Dysdercus melanoderes 2503

D. voelkeri 2503

Eldana saccharina 260

Eucosma cocana 5686

Light-traps contd.

for contd.

Euproctis chrysorrhoea 5762

Euxoa ochrogaster 2473

Feltia subterranea 1375

forest pests 2618

Gretchena bolliana 3396

Heliothis armigera 630, 2777

H. assulta 4354

H. virescens 695

H. zea 110, 694, 2504

Heteroptera 5374

Hyphantria cunea 5762

leafhoppers 3973

Lepidoptera 919, 1201, 1820, 2613–2614, 2616–2617, 2620, 3754, 4018, 4525, 5373, 7124

Malacosoma neuustria 5762

Manduca sexta 6192

Myriochile melancholica 3472

Naranga aenescens 4850

Nephotettix virescens 6693

Nepytia semiclusaria 5686

Neuroptera 4525

Noctua pronuba 1340

Noctuidae 142, 638, 5911

Ostrinia nubilalis 1948, 5499, 5762, 6678, 6680

Oxycanus fuscomaculatus 1366

Paederus alfieri 4212

Peridroma saucia 5762

pests of apple 7314

planthoppers 3973

Scapteriscus acletus 1796

S. vicinus 1796

Scarabaeidae 4825

small insects 4168

Sogatella furcifera 6693

Spodoptera spp. 564

S. eridania 1375

S. exempta 2647

S. litura 140, 670–671

Stenolophus comma 1054

Tortricidae 3498

Tortrix capensana 5957

Trichoplusia ni 110

Tryporyza incertulas 720

Utetheisa ornatrix 694

Xanthopastis timais 2112

Xestia c-nigrum 1340

Zyginidia quyumi 2776

for studies of faunistics and entomology 2612

in southern Africa 1224

lamps for 2577

Lighters, fumigation of, phosphine for 5705***lignicola*, *Otinotus* (see *O. oneratus*)****Lignin, in orange, effects of *Phyllocoptruta oleivora* on production of 1431*****ligniperda*, *Camponotus******ligniperda*, *Hylurgus***

- Lignosan** (see BHC (γ -isomer), with pentachlorophenol)
- lignosellus, Elasmopalpus***
- Ligroine**, for extracting *Planococcus citri* sex pheromone 125
- ligustici, Otiorthynchus***
- ligustri, Sphinx***
- Ligyus cuniculus*** (see *Bothynus*)
- Ligyus ebenus*** (see *Bothynus*)
- Lilac** (*Syringa vulgaris*)
- Otiorthynchus ligustici* on, in RSFSR 5654
- Lilac, Persian** (see *Melia azedarach*)
- Lilium formosanum***, lily symptomless virus in, aphid transmission of 943
- Lily**, *Rhizoglyphus engelii* on, damage caused by 5411
- Lily symptomless virus**
- in
- Aphis gossypii*, transmission of 943
- Macrosiphum euphorbiae*, transmission of 943
- Myzus persicae*, transmission of 943
- tulip, in Netherlands 943
- Lily, yellow water** (see *Nuphar advena*)
- Limacodidae**, on tea, in India 3022
- limbiventris, Antiteuchus tripterus***
- Lime** (*Citrus aurantifolia*)
- Aleurocanthus woglumi* on, in Florida 6744
- Chrysobothris picklesi* on, in Grenada 5399
- citrus tristeza virus in, aphid transmission of 4912
- Parlatoria pergandii* on, in Nigeria 3635
- Phyllocoptruta oleivora* on, in Taiwan 4187
- Psiloptera guildini* on, in Grenada 5399
- Toxoptera citricida* on, in South Africa 4912
- Xyleutes punctifer* on, in Grenada 5399
- Lime-sulfur**
- against
- Cecidomyopsis ribis*, on black currant 1397
- Parthenolecanium corni*, on red currant 5546
- Steneotarsonemus ananas*, on pineapple 2908
- with oil emulsion, against, *Epitrimerus pyri*, on pear 1424
- Lime, sweet** (see *Citrus limettoides*)
- Lime** (*Tilia*) (see *Tilia*)
- Limenitis archippus***
- diapause in, effects of photoperiod on 625
- in USA 625
- Limestone**, as carrier for insecticides 3896
- limitata, Pandemis***
- Limnoria platycauda***, in Thailand 5841
- Limnoria sexcarinata***
- sp. nov., description of 5841
- Limnoria sexcarinata* contd.**
- in Japan 5841
- in Thailand 5841
- in Tsushima Islands 5841
- Limonene** (see Cyclohexene, 1-methyl-4-(1-methylethenyl)-)
- Limonium aeruginosus***, in Sweden 3517
- Limonium californicus***
- orientation in
- to CO₂ 4744
- to germinating seeds 4744
- Limonium canus***
- on potato, damage caused by 377
- sex pheromone of 1113
- Limonium dubitans***, growth in, effects of diet on 2491
- Limonium infuscatum***
- in Canada 6095
- on grapevine, in British Columbia 6095
- limosus, Bagous***
- limosus, Sitona***
- Limothrips denticornis***
- in Poland 3568
- on Cruciferae, in Poland 3568
- Linalool** (see 1,6-Octadien-3-ol, 3,7-dimethyl-)
- Linaria***
- Calophasia casta* on, in Yugoslavia 5479
- Chrysomela gypsophilae* on, in Yugoslavia 5479
- Linaria canadensis, Heliothis* spp. on, in South Carolina 3512**
- Linaria dalmatica***
- Calophasia casta* on, in Yugoslavia 5479
- Chrysomela gypsophilae* on, in Yugoslavia 5479
- Eteobaea serratella* on, in Yugoslavia 5479
- Linaria genistifolia, Eteobaea serratella* on, in Yugoslavia 5479**
- Linaria vulgaris, Eteobaea serratella* on, in Yugoslavia 5479**
- Lindane** (see BHC (γ -isomer))
- Lindatox** (see BHC (γ -isomer))
- Lindera benzoin, Phylloctes linderifolius***
- on, in Ohio 3985
- linderafolius, Phylloctes***
- Lindingaspis ferrisi***
- biology of 3511
- descriptions of 3511
- in Egypt 3511
- on *Ficus nitida*, in Egypt 3511
- on *Laurus nobilis*, in Egypt 3511
- on mango, in Egypt 3511
- on ornamental plants, in Egypt 3511
- Lindorus***, rearing of, techniques for 6017
- Lindorus lophanthae***
- in Morocco 6126
- in Spain 2535
- in USA 3548
- morphology of 2535

***Lindorus lophanthae* contd.**

preying on

Aonidiella aurantii, in Spain 2535

Diaspididae, and biological control

using 1281

Parlatoria pergandii, in Morocco 6126*Pseudaulacaspis pentagona*, in Florida
3548

taxonomy of 2535

lineare, Dolichosoma***linearis, Atomaria******linearis, Lyctus******linearis, Neodiprion taedae******linearis, Oberea******linearis, Riptortus******linearis, Spintherus******lineata, Erysichton******lineata, Hyles******lineata, Ischioloncha******lineata, Leucophlebia******lineata, Schistocerca alutacea******lineatella, Anarsia******lineatocollis, Aeliomorpha******lineatum, Graphosoma******lineatum, Trypodendron***

(Xyloterus)

lineatus, Agriotes***lineatus, Sitona******lineicollis, Euderus******lineola, Sphodromantis******lineola, Thymelicus******lineolaris, Lygus******lineolata, Diatraea******lineolata, Rhyssa******lineolatus, Adelphocoris******lingnanensis, Aphytis******lini, Dasineura******Linnaemya olsufjevi***

in USSR 6817

parasitising, *Leucoma salicis*, in Russian
Republic 6817**Linoleic acid** (see 9,12-Octadecadienoic acid,
(Z,Z)-)**Linolenic acid** (see 9,12,15-Octadecatrienoic
acid, (Z,Z,Z)-)**Linseed** (see Flax)**Linseed oil**

diet component for

Achaea janata 5926*Malacosoma disstria* 6581***Linum usitatissimum*** (see Flax)***Linyphantes aeronauticus***

in USA 304

in lucerne fields, in California 304

population dynamics of 304

Linyphiidaein *Trifolium* fields, in Egypt 5412

prey of, in West Germany 1198

traps for 1198

Lioadalia flavomaculata

in South Africa 5951

***Lioadalia flavomaculata* contd.**preying on, *Phthorimaea operculella*, in
South Africa 5951***Liosomaphis abietina*** (see *Elatobium*
abietinum)***Liothrips***, in Crimea 1***Liotryphon punctulatus***

biology of 6108

in USSR 6108

parasitising, *Cydia pomonella*, in
Uzbekistan 6108***Lipaphis erysimi***

alarm pheromone in 600

biology of 353, 3356

control of, insecticides for 858, 2047,
2294, 4545, 4932, 7190, 7339hyperparasites of, in New Zealand 1895
in Chile 3356in India 348, 353, 857–858, 2294, 3080,
4932, 7339

in Japan 3836

in New Zealand 1895

in Peru 176

in Poland 1926

in South Korea 1879, 1881

on *Brassica*

in Punjab 348

resistance to 348

on *Brassica juncea*

damage caused by 3080

in Punjab 348

in West Bengal 3080

resistance to 348

on cabbage

in Delhi 7339

in Rajasthan 857, 4932

on cauliflower, in Delhi 7339

on Cruciferae, in Poland 1926

on *Matthiola incana*, in Chile 3356

on mustard 4545

in Delhi 858

in Uttar Pradesh 353

on rape, in Uttar Pradesh 353

parasitised by, *Diaeretiella rapae*, in Japan
3836

pea enation mosaic virus in, not

transmitted 3112

population density of 1881

predators of, effects of insecticides on
2294, 7190

preyed on by

Coccinella septempunctata 7190*Menochilus sexmaculatus* 4778, 7199

in Rajasthan 2294

Xanthogramma scutellare, in Rajasthan
2294

seasonal abundance of 1879

in Rajasthan 857

traps for 1879, 1881

Lipaphis fritzmuelleri

in Poland 1926

on *Sisymbrium loeselii*, in Poland 1926

Lipaphis ruderalis

- in Poland 1926
- on Cruciferae, in Poland 1926

liparidis, Apanteles**Lipase** (see Lipase, triacylglycerol)**Lipase, triacylglycerol**

- in *Bacillus thuringiensis* strains 5083
- in *Beauveria tenella*, relation of pathogenicity and 6345
- in *Chilo partellus* gut 581
- in *Dasineura lini* 1118
- in *Galleria mellonella*, sensitivity to paraoxon of 2395
- in *Pectinophora gossypiella* gut 579
- in *Phthorimaea operculella* gut 4649

Lipid depressants, insect control using 1631**Lipids**

- culture-medium component for, *Antheraea eucalypti* cells 38
- diet component for

Ephialtes roborator 663*Semiadalia undecimnotata* 2570

- Galerucella griseascens* feeding response to 586

in *Apodemus sylvaticus* 1060in *Calliphora vomitoria* cuticle 1750in *Ceratitis capitata*, glycosylation of 6471in *Cydia pomonella* cuticle 1750in *Eristalis tenax* cuticle 1750in *Eurygaster integriceps*, relation of trichlorophen resistance and 998in *Galleria mellonella* 2393in *Gilpinia hercyniae* and spruce needles 4407in *Heliopsis armigera*, effects of photoperiod on accumulation of 7090in *Hylobius pales* 923in *Icerya purchasi* 2450in *Locusta migratoria* effects of allatectomy on 5427

utilisation during flight of 5309

in *Locusta migratoria* haemolymph, homeostasis of 4189in *Megachile pacifica*, effects of drugs on 1662in orange, effects of *Phyllocoptruta oleivora* on production of 1431in *Phryxe caudata* larvae 6463in *Pieris brassicae* 33

digestion and absorption of 1758

synthesis of 1758, 2400

in *Pieris brassicae* diet, requirement for 2382in *Pieris brassicae* fat-body 4028in *Pieris brassicae* haemolymph 2421in *Plecia nearctica*, metabolism of 6475in *Plutella xylostella*, granulosis virus causing agglomeration of 7490

in Psyllid lerps 7049

in *Schistocerca americana* 162**Lipids** *contd.*

- in *Schistocerca americana* cuticle 1750
- synthesis of 743

in *Solenopsis invicta* cuticle 4200in *Solenopsis invicta* queens

effects of reproduction on 5861

utilisation during brood production of 5259

in *Solenopsis richteri* cuticle 4200in *Spodoptera exigua* eggs, developmental changes in 1780in *Triatoma infestans*, glycosylation of 6471in *Trogoderma granarium*, inhibiting pupation 51***Lipolexis gracilis***

descriptions of 3361

in South Korea 3361

Lipopolysaccharides, in *Pseudomonas aeruginosa* endotoxin 7476**Lipoproteins**in *Anthonomus grandis*, during diapause 6474in *Manduca sexta* haemolymph, effects of dietary filipin on 34***Liposcelis bostrychophilus***

control of, inert atmospheres for 7450

in Japan 7448, 7457, 7460

in milk powder

in Japan 7460

development of 7449, 7459

in Japan 7448, 7457

seasonal abundance of 7457

Liquidambar styraciflua, *Schizura concinna* on, in California 1320**Liquorice** (*Glycyrrhiza glabra*)*Penicbroa fasciata* on 2179***Liriodendron tulipifera***bait for, *Reticulitermes flavipes* 1921

fatty acids in, seasonal changes in 5307

Liriomyza, parasitised by, *Diglyphus* spp., in Egypt 4777***Liriomyza brassicae***

in India 3519

on *Brassica juncea*, in Madhya Pradesh 3519on *Dahlia rosea*, in Madhya Pradesh 3519on *Tropaeolum minus*, in Madhya Pradesh 3519***Liriomyza bryoniae***, control of, insecticides for 7583***Liriomyza cepae***

taxonomy of

characters distinguishing *L. netzkei* and 6174*Liriomyza netzkei* misidentified as, in Italy 6174***Liriomyza congesta***

control of, insecticides for 2925-2926

in Egypt 2925-2926, 4777

on *Vicia faba*, in Egypt 2925-2926, 4777

***Liriomyza congesta* contd.**

parasitised by

Diglyphus spp., in Egypt 4777*Halticoptera* spp., in Egypt 4777*Hemiptarsenus zilahisebessi*, in Egypt 4777*Opius* spp., in Egypt 4777***Liriomyza flaveola***

control of, insecticides for 697

in Peru 697

on *Vicia faba*, in Peru 697***Liriomyza huidobrensis***

biology of 3660

descriptions of 3660

in Argentina 3660

on *Vicia faba*

damage caused by 3660

in Argentina 3660

parasitised by

Euparacrias phytomyzae, in Argentina 3660*Opius scabriventris*, in Argentina 3660***Liriomyza munda* (see *L. sativae*)*****Liriomyza nietzkei***

biology of 6174

in Italy 6174

on leek, in Italy 6174

on onion, in Italy 6174

taxonomy of

characters distinguishing *L. cepae* and 6174misidentified as *L. cepae*, in Italy 6174***Liriomyza pusilla*, taxonomy of, *Liriomyza****trifolii* misidentified as, in North America 4924***Liriomyza sativae***

biology of 6756

control of

biological 6175

crop management for 6756

insecticides for 3692, 6756

JH mimics for 3263

distribution of 6756

food-plants of 6175

in Canada 6175

in USA 3692

on chrysanthemum, in Ontario 6175

on cucumber, in Ontario 6175

on lettuce, in Ontario 6175

on melon, resistance to 3656

on ornamental plants 6756

on tomato

damage caused by 3692

in Florida 3692

in Ontario 6175

on vegetable crops 6756

parasites of, effects of growth regulators on 3263

parasitised by

Diglyphus begini, in Ontario 6175*Opius* spp. 3263*O. dimidiatus*, in Ontario 6175***Liriomyza sativae* contd.**

taxonomy of 6756

traps for 6756

Liriomyza trifolii

control of, insecticides for 4922–4924

food-plants of 4924

in USA 4922–4924

on celery, in Florida 4922–4924

on lettuce, in Florida 4923

parasitised by

Derostenus variipes, in Florida 4924*Diglyphus intermedius*, in Florida 4924*Halticoptera circulus*, in Florida 4924*Opius dimidiatus*, in Florida 4924taxonomy of, misidentified as *L. pusilla*, in North America 4924***Liriomyza trifolii* auct. (see *L. congesta*)***Lissonota dubia*, parasitising, *Epinotia tedella* 4218, 5445***Lissopimpla scutata***

in Papua New Guinea 4989

parasitising, *Tiracola plagiata*, in Papua New Guinea 4989***Lissorhoptrus isthmicus***

in Haiti 5981

on rice, in Haiti 5981

Lissorhoptrus oryzophilus, embryonic development in 2523***Listroderes costirostris***

in Australia 6193

on tobacco, in Queensland 6193

Lissonotus oregonensis

control of, insecticides for 877, 7370

in Canada 877, 7370

on carrot

in Ontario 877, 7370

in Quebec 877

Litchi* (see *Litchi chinensis*)**Litchi chinensis****Aceria litchii* on, in Taiwan 4187

pests of, in Bangladesh 4180

Tessarotoma papillosa on, in China 2901***litchii*, *Aceria******Lithobius***

in UK 4749

preying on, *Cydia pomonella*, in France 6732***Lithocarpus*, *Tuberculatus* spp. on, in California 1728*****Lithocolletis blancardella* (see *Phyllonorycter*)*****Lithocolletis corylifoliella* (see *Phyllonorycter*)*****Lithocolletis pyrifoliella* (see *Phyllonorycter*)*****Lithophane***

biology of 2865

on apple, in New York 2865

on fruit trees, in Ohio 323

on pear, in New York 2865

- Lithophane antennata***
 in USA 323, 2865
 on apple, in New York 2865
 on fruit trees, in Ohio 323
 on pear, in New York 2865
- Lithophane laticinerea***
 in USA 323
 on fruit trees, in Ohio 323
- Lithophane unimoda***
 in USA 323
 on fruit trees, in Ohio 323
- Litlure** (see 9,11-Tetradecadien-1-ol, acetate, (E,Z)-, with (E,Z)-9,12-tetradecadienyl acetate)
- Litodactylus leucogaster***
 in Yugoslavia 3563
 on *Myriophyllum spicatum*, and biological control using 3563
- Litomastix aretas***
 in UK 2849
 parasitising, *Acleris comariana*, in England 2849
- Litomastix truncatella*** (see also *Copidosoma truncatellum*)
 brood size in, effects of temperature on 2521
 in Yugoslavia 4707
 mortality in, effects of temperature on 2521
 parasitising
 Autographa gamma, in Yugoslavia 4707
 Trichoplusia ni 2521, 2733
 sex ratio in, effects of temperature on 2521
- litorea*, *Parasaissetia littoralis*, *Scaphoideus littoralis*, *Spodoptera litura*, *Ceutorhynchus litura*, *Spodoptera* (Prodenia)**
- liturata*, *Semiothisa litus*, *Pachnaeus***
- Liver powder**, diet component for, *Semiadalia undecimnotata* 5391
- livida*, *Amphipyra livida*, *Cantharis livida*, *Empis lividipennis*, *Cyrtorhinus lividipes*, *Sitona livornica*, *Celerio*** (see *Hyles lineata livornica*)
- livornica*, *Hyles lineata***
- lixi*, *Habrocytus***
- Lixophaga***, parasitising, *Ostrinia nubilalis*, in Massachusetts 5508
- Lixophaga diatraeae***
 development in 3553
 effects of temperature on 571
 insecticides in, toxicity of 6026
 life-span in, effects of temperature on 571
- Lixophaga diatraeae* contd.**
 parasitising
 Achroia grisella 251
 Chilo sacchariphagus 242
 Diatraea spp. 251
 D. impersonatella, and biological control using, in Guadeloupe 6668
 D. saccharalis 3128, 3553, 6665-6666 and biological control using
 in Guadeloupe 6668
 in Louisiana 6026
 Galleria mellonella 242, 251
 Sesamia calamistis 242
 rearing of, techniques for 251, 6666
Serratia marcescens in, control of 3128
- Lixophaga mediocris***
 in USA 206
 parasitising, *Rhyacionia frustrana*, in Maryland 206
- Lixophaga sphenophori***
 in USA (Hawaii) 4781
 on *Euphorbia*, in Hawaii 4781
 on *Euphorbia geniculata*, feeding on nectar 4781
 on *Euphorbia glomifera*, feeding on nectar 4781
 on *Euphorbia heterophylla*, feeding on nectar 4781
 on *Euphorbia pilulifera*, feeding on nectar 4781
 parasitising, *Rhabdoscelus obscurus*, in Hawaii 4781
- Lizard**
 preying on
 insects, in India 7202
 Rhyacionia neomexicana 3066
- Lizard, common bush** (see *Calotes versicolor*)
- Lizard, common sand** (see *Acanthodactylus cantoris*)
- Lizard, spiny tailed** (see *Uromastix*)
- Lobesia botrana***
 biology of 314-315, 5548, 6094
 control of
 Bacillus thuringiensis for 6094
 crop management for 1998
 insecticides for 313-315, 5548, 5750, 5822, 6094, 6713
 in Bulgaria 314-315, 1998
 in France 3498
 in Italy 6713
 in USSR 313, 5822, 6094
 in Yugoslavia 5548
 on grapevine
 damage caused by 5548
 in Azerbaijan 313
 in Bulgaria 314-315, 1998
 in Daghestan 6094
 in Italy 6713
 in USSR 5822
 in Yugoslavia 5548
 rearing of, techniques for 5390, 5397

***Lobesia botrana* contd.**

- sexual behaviour in, effects of attractants on 1839
- traps for 3498

Lobiopa*, in stored maize, in USA 1846**Lobiopa undulata***

- in USA 7410
- life-cycle of 7410
- on *Quercus*, in Mississippi 7410

Locodiplosis triangularis

- in USA 5669
- on *Pinus elliottii*, in Florida 5669

lobulata*, *Phaspis**Locomotion**

- Dacus cucumis* 1170
- Elasmopalpus lignosellus* 4124
- Tenebrio molitor* 1802, 2510

Locris maculata

- in Sierra Leone 833
- on rice, in Sierra Leone 833

Locusta

- feeding behaviour in
 - effects of allatectomy on 171
 - nervous control of 4755
- radar detection of 1178

Locusta migratoria

- Bacillus thuringiensis* in, effects on
 - haemocyte number of 165
- carbohydrate digestion in 1852
- carbohydrates in 163
- cardiac rhythm in 4646
- effects of allatectomy on 7063
- chitin in, synthesis of 3522
- corpora allata in, effects of JH on 4756
- cuticle in, enzyme activity during
 - formation of 5428
- digestive enzymes in 3524
- enzymes in 163, 587
- feeding behaviour in 4193
- flight activity in, energy sources for 5309
- flight muscles in 1116
 - development of catabolic pathways in 587
- hemolymph in, homeostasis of 4189
- hindgut cuticle in 168
- in Australia 4822
- in Japan 747, 6036
- intersegmental membranes in, extensibility of 4758
- JH mimics in, effects of 166
- Malpighian tubules in 3521
- maxillary palps in 4193
- moulting hormones in
 - activity pattern of 2687
 - effects of prothoracectomy on 161
- neoplasms in, caused by severing gastric nerve 5414
- nervous system in, development of 5854
- neuromuscular system in 7176
- on sugar-cane
 - in Japan 747
 - in Okinawa Prefecture 6036

***Locusta migratoria* contd.**

- on sugar-cane contd.
 - in Queensland 4822
- optomotor system in 6604
- phases in 747
- solitary phase of, effects of isolation on
 - phenotype of 7094
- tapa in, gonad necrosis caused by 7102
- vitellogenesis in 744

Locusta migratoria capito

- flight activity in 6607
- food-plants of, identification in excreta of 6606

- in Malagasy Republic 6606–6607

- migration in 6607

- on grasses, in Malagasy Republic 6606
- population dynamics of 6607

Locusta migratoria migratoria

- distribution of, changes in 2621
- ovarian development in, control of 5421

Locusta migratoria migratorioides

- aggregation in 164
- amino acids in, during embryogenesis 6510

- Anacridium aegyptium* corpora allata in,
 - chromatropic effect of 592

- control of, insecticides for 3164

- corpus allatum in 4660–4661, 4666

- cuticle in

- properties of 5274

- proteins in 6490

- diapause in, role of hormones in 2437

- digestive enzymes in 739

- egg production in, effects of food quality
 - and quantity on 1862

- eggs of, resorption of extra-embryonic
 - structures in 2688

- enzymes in 1864

- flight activity in, effects of photoperiod on 1858

- food preferences of 5417

- in Mali 4191

- in Mozambique 7171

- in Rhodesia 7171

- in Sudan 3164

- insecticide resistance in, testing for 1206

- juvenile hormone in 1857

- lipids in, effects of allatectomy on 5427

- Malameba locustae* in

- effects of 5086

- morphology of 5086

- mating in 737

- metamorphosis in, role of hormones in 2437

- migration in, effects of photoperiod on 1858

- neurosecretory system in 4660–4661

- on *Agropyron repens* 1862

- oviposition in 4192

- pigmentation in 167

- polymorphism in, role of hormones in 2437

- Locusta migratoria migratorioides*** *contd.*
 population dynamics of 4191
 proteins in, synthesis of 4190
 radar cross-section of 1177
 relation between atmospheric environment and 1173
 research on 4743
 sperm competition in 737
 spermiduct in, effects of juvenile hormone on 4675
 water relations of, effects of diet on 1255
- Locustana pardalina***
Malameba locustae in
 effects of 5086
 morphology of 5086
- locustarum, Centrodora*** (see *C. speciosissima*)
- Locusts**
 control of 5089
 by spraying flying swarms 7505
 insecticides for 1256, 3317
 diflubenzuron in, inhibiting chitin deposition 2283
 digestive enzymes in 5866
 in Ethiopia 1256
 in Turkey 4141
 in pastures, in Turkey 3317
 migration in 2646
- loi, Stethorus***
- Lolium***
Abacarus hystris on, in UK 6703
 barley yellow dwarf virus in, in UK 6703
Graphognathus leucoloma on, in New Zealand 3605
Hyperodes bonariensis on, in New Zealand 3185
Inopus rubriceps on, in New Zealand 3194–3195
Oscinella frit on, in East Germany 2790
 ryegrass mosaic virus in, in UK 6703
- Lolium multiflorum***
Hyperodes bonariensis on, in New Zealand 3186
 ryegrass mosaic virus in, in Wales 4872
- Lolium multiflorum* × *L. perenne***
Hyperodes bonariensis on, in New Zealand 3186
- Lolium perenne***
Costelytra zealandica on, development of 3601
 Eriophyidae on, assessing infestations of 296
Melolontha melolontha on, development of 1759
Oscinella spp. on, in Northern Ireland 4289
Oxycaenus fuscomaculatus on, in Tasmania 1366
 pest control on, in UK 4286
- Lolium temulentum, Oria musculosa*** on, in Iran 2787
- lombardini, Tetranychus***
- Lomographa bimaculata***
 in Norway 5373
 on *Prunus*, in Norway 5373
- Lonchaea***
 descriptions of 3364
 keys to 3364
 taxonomy of 3364
- Lonchaea gibbosa***, taxonomy of, transferred to *Silba* 3364
- longana, Cnephasia***
- longicauda, Apanteles***
- longicauda, Sirex***
- longicaudatum, Acyrthosiphon***
- longicaudatus, Biosteres, (Opus)***
- longiclavata, Oligosita***
- longiclavatus, Ophioneurus***
- longicollis, Odoiporus***
- longicornis, Attagenus***
- longicornis, Chorinaeus***
- longicornis, Diabrotica***
- longicornis, Scolothrips***
- longifemoralis, Atanycolus***
- longifuniculata, Mirufens***
- longifurcifera, Sogatella***
- longinoda, Oecophylla***
- longior, Tyrophagus***
- longipennis, Blastothrix***
- longipes, Anoplolepis***
- longipilosum, Eriosoma***
- longipilus, Typhlodromus, (Galendromus)***
- longirostris, Callibaphus***
- longispinosus, Amblyseius***
- longispinus, Pseudococcus***
- longissima, Brontispa***
- Longitarsus exoletus rufulus***
 in USSR 7212
 on *Trichodesma incanum*, in Uzbekistan 7212
- Longitarsus jacobaeae***, on *Senecio jacobaeae*, and biological control using, in British Columbia 2755
- Longitarsus nigripennis***
 control of, insecticides for 1928
 in India 1928
 on *Piper nigrum*, in Kerala 1928
- Longitarsus parvulus***
 feeding behaviour in, effects of microclimate on 5637
 in East Germany 5637
 on flax, in East Germany 5637
- Longiunguis sacchari***
 in Japan 292, 1971, 5521
 on *Miscanthus sinensis*, development of 292
 on sorghum
 development of 292
 distribution pattern of 5521
 in Japan 1971, 5521
 oviposition in 1971
 seasonal abundance of 5521
- longiventris, Paragus***

- Lonicera, Rhagoletis cerasi** on 73
Lonicera xylosteum
Hoplocampoides xylostei on
 in Switzerland 1925
 in West Germany 1925
- lochooanum, Chloridolum**
- Looplure ((Z)-7-dodecenyl acetate)**
 adopted as common name in *RAE*, p. 7
 attractant for
Pseudoplusia includens 3670, 4045
Trichoplusia ni 142, 4045
 in fish, toxicity of 5197
 in rabbit, toxicity of 5197
 in rat, toxicity of 5197
 in *Trichoplusia ni*, hydrolysis in antennae
 of 2409
 inhibitor of *Pseudoplusia includens*
 response to sex pheromone 2415
 inhibitor of *Trichoplusia ni* response to
 sex pheromone 2415
 inhibitor of *Trichoplusia oxygramma*
 response to sex pheromone 2415
 with (*E*)-7-dodecenyl acetate
 attractant for
Argyrogramma verruca 4045
Trichoplusia oxygramma 4045
- lophanthae, Lindorus**
 (*Rhizobius*)
- Lophopteryx camelina** (see *Ptilodon capucina*)
- lophyri, Olesicampe**
- Lophyprolectus luteator**
 biology of 4800
 in Canada 4800
 parasitising, *Neodiprion sertifer*, in
 Ontario 4800
- Loquat (Eriobotrya japonica)**
Aceria eriobotryae on, in Taiwan 4187
Cataphrodium rubripenne on 4318
Ceratitis capitata on, in Tunisia 492
- loreyi, Mythimna, (Leucania)**
- loricata, Chaetorellia**
- loricatus, Anthocoptes**
- Loricera pilicornis**
 in UK 4772
 in grain fields, in England 4772
 preying on, *Collembola*, in England 4772
- Lorsban** (see *Chlorpyrifos*)
- Lotus corniculatus**
Apis mellifera on 524
 pests of, in Romania 1980
- Lotus pedunculatus**
Costelytra zealandica on
 development of 3601
 resistance to 6076
- Lotus uliginosus, Acyrthosiphon pisum** on
 1180
- Louisiana**
Anthonomus grandis in 3397
 on cotton 3453
 ants in 2696
Diatraea grandiosella in 6425
- Louisiana contd.**
Diatraea contd.
D. saccharalis in
 natural enemies of 235
 on sugar-cane 235–236, 263, 269, 6026
- Graphognathus spp.** in
 on groundnut 2944
 on rye 2944
 rice stem-borers in 1958
Solenopsis spp. in 5147
S. invicta in 5148–5149
 in pastures 6609
S. saevissima in 3323
Tribolium castaneum in, in stored rice
 1673
 woodcock in, organochlorine residues in
 3323
- louisianae, Colaspis**
- lounsburyi, Metaphycus**
- Lovo 192**
 extender for
 γ -BHC 5151
 copper oxychloride 5151
- Lovozal** (see *Fenazaflor*)
- lowi, Anamaspis**
- Loxoblemmus arietulus**
 in Japan 1358
 preying on, *Chilo suppressalis*, in Japan
 1358
- Loxostege**
 descriptions of 7032
 in North America 7032
- Loxostege bifidalis**
 descriptions of 7032
 in Canada 7032
 in Mexico 7032
 in USA 7032
 on cotton 7032
 on purslane 7032
- Loxostege cereralis**
 descriptions of 7032
 in Canada 7032
 in Mexico 7032
 in USA 7032
 on beet 7032
 on celery 7032
 on lucerne 7032
- Loxostege mancalis**
 descriptions of 7032
 food-plants of 7032
 in Mexico 7032
 in USA 7032
- Loxostege rantalis**
 descriptions of 7032
 food-plants of 7032
 in Canada 7032
 in Mexico 7032
 in USA 7032
- Loxostege sticticalis** (see also *Margaritia sticticalis*)
 biology of 7109, 7278
 control of, insecticides for 7278

***Loxostege sticticalis* contd.**

- descriptions of 7032, 7109
- food-plants of 7032, 7109
- in Bulgaria 7109
- in Canada 7032
- in USA 7032
- in USSR 7278
- on grasses, in Ukraine 7278
- on sugar-beet, in Ukraine 7278
- population dynamics of 7278

***Loxoun* (see *Dimethoate*).**

LS 68, against, thrips, on onion 5944

lubricipeda*, *Spilosoma***lucagus*, *Palexorista******Lucanus maculifemoratus*,**

- mechanocardiograms of 4157

Lucavex, against, *Bucculatrix thurberiella*,
on cotton 2988

luceni*, *Tetranychus***lucens*, *Asaphes******lucens*, *Cadurcia*****Lucerne (*Medicago sativa*)**

- acephate in, residues of 2657
- Acyrtosiphon pisum* on 2924
 - in Argentina 477
 - in British Columbia 361
 - in Bulgaria 2262
 - in California 4293, 5528
 - in Chile 690
 - in Michigan 3499
 - in Poland 1982, 2838
 - in Russian Republic 6707, 6774
 - in Switzerland 5740
 - resistance to 1982, 2835, 4885
 - role of saponins in 308

Adelphocoris spp. on, in Romania 2842

***A. lineolatus* on**

- damage caused by 2841, 6082
- in East Germany 307
- in France 2841
- in Iowa 3464
- in Russian Republic 6707
- in Ukraine 6082
- in USSR 6081

Agromyzidae on, in Chile 690

***Agrotis ipsilon* on**

- development of 4553
- in New Zealand 3515

A. segetum on, rearing of 6528

Aiolopus thalassinus on, development of
5418

aphids on

- assessing infestations of 1841
- in Egypt 3602-3603

***Apis mellifera* on**

- as pollinator 1376, 3319
- protection from pesticides of 761

γ -BHC in, residues of 1050, 1705

Bruchophagus spp. on, resistance to
2835

B. platypterus on, in Chile 690

B. roddi on 6708

Lucerne contd.***Bruchophagus roddi* on contd.**

- damage caused by 6082
- in Moldavia 6084
- in Romania 2842
- in Ukraine 6082
- resistance to 1378

carbaryl in, residues of 1705

***Ceresa bubalus* on**

- in Italy 1384
- in West Germany 1822

Cerotoma trifurcata on, in Illinois 7357

Cicadellidae on

- in Chile 690
- in Nebraska 309

Coleoptera on, in Egypt 3603

Colias eurytheme on, in California 472

***Contarinia medicaginis* on**

- forecasting infestations of 1984
- in France 1984
- in Romania 2842

Costelytra zealandica on, resistance to,
role of saponins in 1713

cotton insects on, in Arizona 3714

***Dasineura ignorata* on**

- in France 1984
- in Poland 1983

DDT in, residues of 1050, 5819

diazinon in, residues of 1705

Diptera on, in Egypt 3603

***Empoasca fabae* on**

- in Iowa 3464
- in Michigan 3499
- resistance to 2835
- role of saponins in 308

Epinotia spp. on, in Chile 690

Euschistus conspersus on, in California
6085

Feltia subterranea on, in Peru 1375

***Graphognathus leucoloma* on**

- damage caused by 3605
- in New Zealand 3605

green gram mosaic virus in, infectivity of
860

Heliothis spp. on, in Chile 690

***H. zea* on**

- distribution pattern of 3574
- in Oklahoma 3574

Heteroptera on

- damage caused by 5530
- in Krasnodar 5530

***Hypera brunneipennis* on**

- assessing infestations of 2574
- damage caused by 302, 306
- in California 302, 306, 2574, 2840,
3604, 4293, 6706
- relation of foliar disease and 2840
- resistance to 6706

***H. postica* on 6613**

- assessing infestations of 2837, 5527
- damage caused by 302, 306, 4884
- in California 306

Lucerne contd.

- Hypera postica* on contd.
 in Kentucky 1372–1373
 in Michigan 3499
 in Ontario 2837, 5527
 in Oregon 303
 in Quebec 6079–6080
 in Utah 1374
 in Wisconsin 7197
 in Wyoming 189
 resistance to 2835–2836, 6706
 simulations of 4515
 insect pests of, in Quebec 5473, 5475
 insect resistance in 6377
Isonetrothrips marisabelae on, in Peru 1092
 JH mimics in, metabolism of 1702
Kyboasca bipunctata on, in Uzbekistan 6183
Lachnosterna consanguinea on, in Rajasthan 999
Loxostege spp. on, in North America 7032
Lygus spp. on, in Romania 2842
L. elisus on, in California 1175, 4291
L. hesperus on, in California 1175, 4291
L. lineolaris on
 in Iowa 3464
 in Michigan 3499
L. pratensis on
 in East Germany 307
 in Spain 840
L. rugulipennis on
 damage caused by 2841
 in East Germany 307
 in France 2841
 in Poland 197
Margaritia sticticalis on, in Ukraine 5402
Megachile pacifica on, in Alberta 7281
Metacanthus pertenerus on, in Rajasthan 6595
 methamidophos in, residues of 2657
 mevinphos in, persistence of 4567
Mimastra cyanura on, in Himachal Pradesh 7177
Mythimna unipuncta on, in California 472
 Noctuidae on, in Chile 699
Nysius ericae on, in Rajasthan 6595
 pest control on 7608
 effects on honey bees of 5807
 in Indiana 4515
 in Wyoming 2259
 pests of
 in Bulgaria 1986
 in France 4294
 in Romania 1980
Philaenus spumarius on
 in Michigan 3499
 resistance to 2835
Plathypena scabra on, in Iowa 1916
Plusia californica on, in California 472

Lucerne contd.

- Poekilocerus pictus* on, in Haryana 7169
Porphyrosetila minuta on, in Chile 690
Pseudopeziza medicaginis in, in California 2840
Rachiplusia nu on, in Chile 690
Rhizobium trifolii in 5812
Semiothisa clathrata on
 damage caused by 6705
 in Romania 6705
Sericothrips variabilis on, in Mexico 3357
Sitona spp. on 2839
 in Iran 5842
 in Tadzhikistan 5529
 in Yugoslavia 5526
S. hispidulus on
 in Maryland 3606
 in Washington 305
 resistance to, evaluation of 305
S. lividipes on 4886
 in Egypt 1371
Spodoptera eridania on, in Peru 1375
S. exigua on
 in Arizona 1377
 in California 472
S. littoralis on, in Israel 1376
Stomopteryx palpinella on, unable to develop 6653
Subcoccinella vigintiquatuorpunctata on, in Hungary 597, 6083
Therioaphis trifolii on
 in California 5528
 in Poland 2838
 in Rajasthan 3558, 6595
 probing by 1985
 resistance to 2835, 4885
 toxaphene in, residues of 1050
Trichoplusia ni on, in California 472
Tychius flavus on
 damage caused by 6082
 in Romania 2842
 in Ukraine 6082
 virus diseases of, in Israel 6324
 viruses in 4295
- Lucerne fields**
 Arachnida in, in Egypt 3602
Bathyplectes spp. in, distribution pattern of 2734
 beneficial arthropods in, in Poland 2838
 Coccinellidae in, in Finland 3546
 Collembola in, in Egypt 3602
Geocoris atricolor in, in California 4291
G. pallens in, in California 4291
 insects in, assessing populations of 3499
 malathion in, non-target effects of 309
Micromus angulatus in, in France 6021
Nabis alternatus in, in California 4291
N. americanoferus in, in California 4291
Orius tristicolor in, in California 4291
Pardosa ramulosa in, in California 1293
 predacious spiders in, in California 304

- Lucerne fields** *contd.*
 predatory insects in, in California 5528
 Staphylinidae in, in Egypt 3602
- Lucerne hay**
 DDT in, residues of 5210
 dimethoate in, residues of 5530
 effects of cages on air temperature in 4292
 phosalone in, residues of 5530, 6084
- Lucerne-leaf powder**, diet component for,
Spodoptera litura 4785
- lucida**, *Acostemma*
lucifugus, *Reticulitermes*
Lucilia cuprina, oogenesis in, effects of
 honeybee queen substance on 6518
- Lucilia sericata**
 control of, insecticides for 5190
 parasitised by, *Ephialtes roborator* 6478
- lucorum**, *Carcelia*
lucorum, *Lygocoris*
luctuosus, *Coccygomimus*
lucublandus, *Pterostichus*
ludeni, *Tetranychus*
Ludwigia adscendens
Nanophyes spp. on
 and biological control using 1322
 in India 1322
- Luffa acutangula**
Palpita indica on, in Uttar Pradesh 4334
Poekilocerus pictus on, in Haryana 7169
- Luffa aegyptiaca**
Dacus ciliatus on, in Pakistan 2922
D. cucurbitae on, in Pakistan 2922
- Luffa cylindrica**, *Palpita indica* on, in Uttar
 Pradesh 4334
- lugens**, *Athalia*
lugens, *Nilaparvata*
lugubris, *Brachymeria*
lugubris, *Carpophilus*
lugubris, *Formica*
lugubris, *Gestronella*
lugubris, *Pardosa*
lugubrosa, *Lambdina fiscellaria*
Lumbricus terrestris
 carbofuran in
 metabolism of 1684
 muscle necrosis caused by 2307
 toxicity of 1684
- luna**, *Patasson*
lunata, *Cheilomenes*
luniger, *Metasyrphus*
 (*Syrphus*)
- Luperus pinicola**
 biology of 4420
 control of
 cultural measures for 4420
 insecticides for 4420
 descriptions of 4420
 in West Germany 4420
 on *Pinus sylvestris*, in West Germany
 4420
 predators of, in West Germany 4420
- Lupin**
Acanthoscelides obtectus on, oviposition
 by 23
Agrotis segetum on, in Uzbekistan 5458
Aphis craccivora on, in USSR 6792
- Lupin, yellow** (see *Lupinus luteus*)
- Lupinus**
Acyrtosiphon pisum on, resistance to
 2835
Mamestra brassicae on, development of
 5906
Lupinus luteus, *Cnephasia longana* on, in
 East Germany 4834
Lupinus luteus (stored seeds),
Acanthoscelides obtectus in, in Bulgaria
 453
luisitanicus, *Carabus*
lutea, *Acronicta*
lutea, *Stictocephala*
lutea, *Trichogrammatoidea*
luteator, *Lophyroleptus*
 Lutein, diet component for, *Pieris brassicae*
 2402
luteipes, *Janus*
luteola, *Pyrrhalta*
luteolator, *Perilissus*
luteolus, *Argutencyrtus*
luteolus, *Haptonchus*
luteotactella, *Neodrepta*
lutescens, *Amblypelta*
lutescens, *Gratiana*
luteum, *Spilosoma*
lutra, *Plectrophorus*
luzonica, *Anusoidea*
Luzula, *Macrochilo cribrumalis* on, in
 Norway 5373
lybica, *Empoasca*
lycimnia, *Coccophagus*
lycopersicella, *Keiferia*
lycopersici, *Aculops*, (*Vasates*)
Lycopersicon esculentum (see Tomato)
Lycopersicon hirsutum, *Heliothis zea* on,
 resistance to 7382
- Lycoriella auripila**
 biology of 1924
 control of
 cultural practices for 1924
 insecticides for 2740
 in UK 1924
 on mushroom 2740
 effects of compost composition on
 development of 1924
 in UK 1924
- Lycosa**
 population dynamics of 2544
 preying on, *Nephotettix cincticeps*, in
 Japan 2544
- Lycosa pseudoannulata**
 in Taiwan 4276, 4862
 insecticides in, toxicity of 1657
 preying on
Nephotettix cincticeps 6061-6062

***Lycosa pseudoannulata* contd.**

preying on contd.

Nephotettix cincticeps contd.

in Taiwan 4862

N. virescens, in Taiwan 4276

reproduction in 6061–6062

survival in 6062

Lycosidaein *Trifolium* fields, in Egypt 5412

preying on

Nilaparvata lugens, in India 4864*Thecodiplosis japonensis*, in South

Korea 3488

Lyctidae, parasitised by, *Sclerodermus**domesticus* 3105***Lyctocoris beneficus***

in Japan 3845

preying on, *Chilo suppressalis*, in Japan 3845***Lyctus africanus***

control of, insecticides for 6321

in India 6321

in bamboo articles, in Punjab 6321

in wooden articles, in Punjab 6321

Lyctus linearis

in Finland 3104

in Poland 5713

in *Quercus* timber, in Finland 3104

in wood, in Poland 5713

Lydella thompsoni

in France 5497

parasitising, *Ostrinia nubilalis*, in France 5497**Lygaeidae**

on Cruciferae, in Poland 2039

preying on, *Heliothis armigera*, in

Thailand 3176

Lygaeus equestris

feeding range of 634

food-plants of, selection of 634

in Sweden 634

Lygaeus pandurus* (see *Spilostethus*)**Lygidea mendax***

biology of 2014

in USA 2014

on apple, in USA 2014

Lygidolon laevigatum

in South Africa 810, 5220

on *Acacia*, in South Africa 5220on *Acacia mearnsii*

damage caused by 810

in South Africa 810

Lygocoris lucorum

control of, insecticides for 2067

in Poland 2067

on carrot

damage caused by 2067

in Poland 2067

on parsley

damage caused by 2067

in Poland 2067

Lygocoris pabulinus*, on pear 6733**Lygus***

food-plants of 3714

natural enemies of, in Arizona 3714

on cotton

in Arizona 3714

in Uganda 1487

resistance to 1487

on lucerne, in Romania 2842

on *Phaseolus lunatus*, in California 1452preyed on by, *Psellipus barberi*, in

Missouri 4804

Lygus dispoksi

auxins in 576

digestive enzymes in 2396

enzymes in 576

on sugar-beet 576, 6142

damage caused by 2954, 5615

effects on amino acids and sugars of 868

plant growth promoters in 576

Lygus elisus

food preferences of 1175

in USA 1175, 4291

on cotton, in California 1175

on lucerne, in California 1175, 4291

Lygus gemellatus*, in Bulgaria 5374**Lygus hesperus***

control of, insecticides for 1452

development in, effects of temperature on 2381

food preferences of 1175

in USA 889, 1175, 1452, 4291

locomotory activity in 2490

on cotton

in California 889, 1175

resistance to 390

on lettuce, development of 6566

on lucerne, in California 1175, 4291

on *Phaseolus lunatus*, in California 1452on *Phaseolus vulgaris*, development of 6566preying on, *Spodoptera exigua* 6566

probing behaviour in 2490

rearing of, diets for 6566

Lygus lineolaris

biology of 7334

control of, insecticides for 4314, 7527

in Canada 4314, 7334, 7527

in USA 3464, 3499

literature on 3931

Mermithidae in, in Quebec 7334

migration in 3464

on apple 3931

in Quebec 4314

on celery, in Quebec 7334, 7527

on lucerne

in Iowa 3464

in Michigan 3499

on *Phaseolus vulgaris*, damage caused by 4938

on potato, in Quebec 7527

on soy bean, in Iowa 3464

***Lygus lineolaris* contd.**

- on weeds, in Quebec 7334
- parasitised by, *Peristenus pseudopallipes*,
in Quebec 7334

Lygus pabulinus* (see *Lygocoris*)**Lygus pratensis***

- biology of 307, 840, 5530
- control of
 - crop management for 5530
 - insecticides for 840, 2067, 5530

descriptions of 840

development in 307

distribution of 840

in East Germany 307

in Poland 2067

in Spain 840

in USSR 5530, 6167

on carrot

damage caused by 2067

in Poland 2067

on lucerne

damage caused by 5530

in East Germany 307

in Krasnodar 5530

in Spain 840

on parsley

damage caused by 2067

in Poland 2067

on potato, in USSR 6167

Lygus rugulipennis

biology of 307, 4294

control of, insecticides for 2067, 4294,
4962

development in 307

digestive enzymes in 2780

hyperparasitised by, *Mesochorus* spp., in
Poland 196

in Bulgaria 5374

in East Germany 307

in Finland 1850, 4962

in France 2841, 4294

in Poland 196-197, 2039, 2067, 4216

Mermithidae in, in Poland 197

on carrot

damage caused by 2067

in Poland 2067

on Cruciferae, in Poland 2039

on lucerne

damage caused by 2841

in East Germany 307

in France 2841, 4294

in Poland 197

on parsley

damage caused by 2067

in Poland 2067

on potato, in Poland 196

on rye, in Poland 196

on sugar-beet

damage caused by 1850

in Finland 1850, 4962

on wheat

damage caused by 1850

***Lygus rugulipennis* contd.**

on wheat contd.

in Finland 1850

parasitised by

Peristenus spp., in Poland 4216

P. digoneutis 91

in Poland 196

P. rubricollis 91

in Poland 196

P. stygicus, in Poland 196

Lygus saundersi, digestive enzymes in 2396

Lymaenion cicadellae (see *Gonatocerus*)

Lymantria

cytoplasmic polyhedrosis virus in 3812

nuclear polyhedrosis virus in 3812

on *Ficus religiosa*, in Karnataka 1087

parasitised by, *Brachymeria porthetrialis*,
in Karnataka 1087

Lymantria dispar

Beauveria bassiana in, infectivity of 207

biology of 5039

Conidiobolus coronatus in

pathogenicity of 1593

symptoms of 1593

control of 2526

antifeedants for 4585

Bacillus thuringiensis for 423, 496,
2206, 2248, 2251, 3750, 3814-3816,
6222, 6819

biological 2263, 5113

growth regulators for 1671, 3070,
4566, 5294, 5789

insecticides for 917, 1632, 2140-2141,
3750, 3903, 6204

integrated 2263, 5448

mating disruption for 543, 3053, 3400,
3868, 5285, 5759

research and development in 993

traps for 3505, 3868, 5122, 5759

cytoplasmic polyhedrosis virus in

infectivity of 3812

pathogenicity of 3813

defoliation by, relation of overstorey

composition and 2155

diazinon in, metabolism of 6507

dichlorvos in, metabolism of 1115

dispersal of 2122, 5042

distribution pattern of 2526-2527

eggs of

coldhardiness of 7436

use of dogs for detecting 6575

enzymes in, detoxification of insecticides
by 1115

feeding behaviour in, effects of plant
substances on 4112

flight activity in 1806, 5759

hyperparasitised by

Brachymeria secundaria, in Ukraine
6002

Chalcididae, in Switzerland 5789

Dibrachys cavus, in Ukraine 6002

Eurytoma goidanichi, in Ukraine 6002

***Lymantria dispar* contd.**

- hyperparasitised by *contd.*
 - Eurytoma* *contd.*
 - E. verticillata*, in Ukraine 6002
 - Gelis areator*, in Ukraine 6002
 - Pediobius* spp., in Ukraine 6002
- in Austria 7413
- in Bulgaria 3545, 3813, 7524
- in Canada 917, 5407
- in Czechoslovakia 7436
- in Iran 6217
- in Italy 496, 919, 1632, 3754, 3816
- in Portugal 3815
- in Romania 2141, 2206
- in Spain 2142, 2248
- in Switzerland 5789
- in USA 543, 926, 993, 2122, 2140, 2155, 2263, 2526–2527, 3053, 3400, 3750, 3868, 4214, 5039, 5042, 6222, 6820, 6898
- in USSR 506, 3813, 5285, 5759, 6002, 6103, 6204
- in West Germany 3070, 3136, 5294, 7413
- in Yugoslavia 2251, 3813, 3815–3816, 5122, 5361, 5448
- in forests
 - in Canada 917
 - in Connecticut 926
- kairomones in, influencing recognition by parasites 5442
- larval orientation in 5042
- legislation on, in Quebec 5407
- Mermis albicans* in, in Yugoslavia 2251
- natural enemies of
 - in Romania 2141
 - in USA 5039
- nuclear polyhedrosis virus in
 - and biological control using 2263, 3168
 - effects of 464
 - in Romania 2206
 - infectivity of 3812, 3814
 - pathogenicity of 464, 3813, 3820
 - stressors for increasing 3136
 - release and envelope acquisition by 4479
 - serology of 2208
 - transmission of 3820
 - transmitted by predators 3144
- on *Fagus*, in Azerbaijan 6204
- on *Fagus orientalis*, in Iran 6217
- on *Pinus radiata*, in Spain 2142
- on *Populus*, in Romania 2141, 2206
- on *Populus nigra* 3815
- on *Quercus*
 - damage caused by 5759
 - in Azerbaijan 6204
 - in Connecticut 3400, 6820
 - in Czechoslovakia 7436
 - in Moldavia 506
 - in Pennsylvania 6222

***Lymantria dispar* contd.**

- on *Quercus* *contd.*
 - in Romania 2141, 2206
 - in Spain 2142
 - in USSR 5759
 - in West Germany 3070
- on *Quercus cerris*, in Yugoslavia 2251
- on *Quercus ilex* 3814
- on *Quercus robur* 3814, 3816
- in Yugoslavia 5361
- on *Quercus rubra* 3816
- feeding by
 - effects of *Bacillus thuringiensis* on 423
 - effects of molasses on 423
- on *Quercus suber* 3815
- in Italy 919, 1632, 3754
- in Sardinia 496
- on *Robinia pseudacacia*, in Romania 2141
- on *Salix*, in Romania 2141
- Ooencyrtus ennemophagus* not parasitising 5999
- parasites of 2263
 - effects of growth regulators on 4566, 5144, 5789
 - effects of host density on 4214
 - effects of insecticides on 3750
 - in Connecticut 3750
 - in Europe 3168
 - in Italy 3754
 - in Massachusetts 4214
 - in Romania 2206
 - in Spain 2142
 - not affected by *Bacillus thuringiensis* 2206
- parasitised by
 - Anastatus japonicus*, in Yugoslavia 5448
 - Apanteles fulvipes*, in Switzerland 5789
 - A. liparidis*, in Ukraine 6002
 - A. melanoscelsus* 1287, 4566, 5144, 5442
 - and biological control using 6820
 - in Connecticut 926
 - in Pennsylvania 6222
 - in Connecticut 6820
 - in Georgia (USSR) 6103
 - in Ukraine 6002
 - A. porthetriae*, in Ukraine 6002
 - Brachymeria intermedia* 5442
 - Meteorus pulchricornis*, in Ukraine 6002
 - Ooencyrtus kuwanai* 5144
 - and biological control using
 - in Bulgaria 7524
 - in Yugoslavia 5448
 - Tachinidae, in Yugoslavia 5361
 - Telenomus phalaenarum*, in Bulgaria 3545

***Lymantria dispar* contd.**

Pleistophora carpocapsae in, not infective 2182

population dynamics of 919, 2141–2142

predators of

in Europe 3168

in Spain 2142

preyed on by

Calosoma sycophanta 3144

Ctenuchidae, in Azerbaijan 6204

Dermostes ater, in Azerbaijan 6204

D. lardarius, in Azerbaijan 6204

vertebrates 2263

Serratia marcescens in

in USA 6898

pathogenicity of 6898–6899

sex pheromone of 131, 1070, 1632

neural responses to 5282

taxonomy of 6446

traps for 131, 506, 1806, 3053, 7413

Lymantria dispar japonica

cytoplasmic polyhedrosis virus in infectivity of 2192

effects of food-plant on 2193

Entomophthora aulicae in, in Iwate Prefecture 2237

in Japan 2237

on *Larix*, in Iwate Prefecture 2237

on *Prunus yedoensis* 2193

on *Quercus acutissima* 2193

on *Rosa multiflora* 2193

Paeecilomyces canadensis in, in Iwate Prefecture 2237

sex pheromone of, responses to enantiomers and *trans* isomers of 7682

Lymantria monacha

biology of, effects of biophysical fields on 5356

Borrelinavirus reprimens in 1878

control of

growth regulators for 3070, 5294

insecticides for 437, 2266, 5014

traps for 2266

flight activity in 1806

effects of sex pheromone on 5003

in Austria 5356, 7413

in Czechoslovakia 436–437, 1806

in Denmark 5003

in USSR 1875, 1878

in West Germany 2266, 3070, 3136, 5014, 5294, 7413

nuclear polyhedrosis virus in, pathogenicity of, stressors for increasing 3136

on *Larix*, in USSR 1878

on *Picea abies*

damage caused by 436

in Czechoslovakia 436–437

on *Pinus*

in Denmark 5003

in USSR 1878

***Lymantria monacha* contd.**

on *Pinus* contd.

in West Germany 2266, 3070

parasitised by

Sarcophagidae, in USSR 1878

Tachinidae, in USSR 1878

pathogens of, in USSR 1878

population dynamics of 1878

preyed on by, Muscidae, in USSR 1878

traps for 1806, 7413

Lymantria obfuscata

Aspergillus flavus in, in Karnataka 3720

in India 3719–3720

on cacao, in Karnataka 3719–3720

Lymantriidae

parasitised by

Sarcophagidae, in USSR 1874

Tachinidae, in USSR 1874

taxonomy of 6446

Lymnaea stagnalis

endosulfan in, toxicity of 2643

endosulfan metabolites in, toxicity of 2643

Lyonetia clerkella

control of, insecticides for 324

in USSR 324

on apple, in Crimea 324

lyonetiae*, *Achrysocharis***lyriformis*, *Eugamasus******Lysaphidus platensis***

in Australia 1451

preying on, aphids, in New South Wales 1451

lysimaehiae*, *Pemphigus**L-Lysine**

in barley grain, relation of resistance to *Sitophilus oryzae* and 6867

in *Dysdercus cingulatus* hemolymph 1782

in *Dysdercus similis* diet, requirement for 7069

in *Macrosiphum euphorbiae* 3423

in maize grain, effects on *Sitophilus zeamais* of 681

in rice, effects of *Nilaparvata lugens* on 1965

in sugar-beet, *Lygus disponsi* causing increased level of 868

in *Viteus vitifoliae* 2859

in wheat

effects of insecticides on 274

relation of insect damage and 2780

monohydrochloride, *Acyrtosiphon pisum* feeding responses to 3405

Lysiphlebus, in cotton fields, in Tadzhikistan 386

Lysiphlebus ambiguus, parasitising, aphids on *Galium* 777

Lysiphlebus testaceipes

parasitising

Schizaphis graminum 3580, 4797

and biological control using 291

- Lysolecithins**, in HeLa cells, effects of carbaryl on 2309
- Lysophosphatidylcholines** (see Lysolecithins)
- Lysozyme**
in *Galleria mellonella* gut, produced by *Streptococcus faecalis* 4475
in *Locusta migratoria* gut, not found 739
- Lytta dimidiata**
in Brazil 4937
on cotton, in Brazil 4937
on *Phaseolus vulgaris*, in Brazil 4937
- M-Köder klein** (see Zinc phosphide (Zn_3P_2))
- Macaca mulatta**, *Baculovirus heliothis* in, effects of 3154
- Macadamia**
Bathycyba bequaerti on damage caused by 4303
in Kenya 4303
Cryptophlebia batrachopa on, in Malawi 7685
pests of, in Queensland 2862
- Macadamia integrifolia** (see *M. ternifolia*)
- Macadamia ternifolia**, *Cryptophlebia ombrodelta* on, in Queensland 2861
- Macadamia tetraphylla**, *Cryptophlebia ombrodelta* on, in Queensland 2861
- Macaranga peltata**, juvenile-hormone activity of extracts of 4064
- macarensis**, *Drino*
- Macaroni**
Oryzaephilus spp. in, development of 7462
Tribolium spp. in, development of 7462
- Macdunnoughia confusa**
biology of 4246
in Bulgaria 4246
nuclear polyhedrosis virus in, in Bulgaria 4246
on *Althaea officinalis*, in Bulgaria 4246
on caraway, in Bulgaria 4246
on *Melissa officinalis*, in Bulgaria 4246
on *Mentha piperita*, in Bulgaria 4246
on *Salvia sclarea*, in Bulgaria 4246
- macfarlanei**, *Raoiella*
- machaeralis**, *Pyrausta* (*Hapalia*)
- Machaerotidae**
excreta in 4678
ionic balance in 4678
- machaon**, *Papilio*
- Maclura pomifera**, *Tegolophus spongiosus* on, in Ohio 3985
- macmurtrei**, *Prionoxystus*
- Macoma nasuta**, carbaryl in, effects of 1051
- Maconellicoccus hirsutus**
in India 4973
on roselle, in Andhra Pradesh 4973
preyed on by, *Spalgis epus*, in Andhra Pradesh 4973
- Macraspis tristis**
in Guadeloupe 474
Metarhizium anisopliae in, in Guadeloupe 474
- Macrini**, taxonomy of 5837
- Macrocentrus**
parasitising
Cosmopterix phyllostachysea, in Ishikawa Prefecture 1932
Elasmopalpus lignosellus, in Trinidad 1304
- Macrocentrus ancylivorus**
in USA 3678, 4393
parasitising
Rhyacionia rigidana, in Missouri 4393
Stegasta basqueella, in Oklahoma 3678
- Macrocentrus grandii**
in USA 5508
parasitising, *Ostrinia nubilalis*, in Massachusetts 5508
- Macrocentrus marginator**
in France 6712
parasitising, *Synanthedon tipuliformis*, in France 6712
- Macrocentrus pallipes**
in Hungary 2012, 4211
parasitising, *Hedya nubiferana*, in Hungary 2012, 4211
- macrocephalus**, *Anacanthotermes*
- Macrocheles boudreauxi**, preying on, *Dendroctonus frontalis* 3556
- Macrocheles merdarius**
biology of 6028
in Italy 6028
on mushroom, in Italy 6028
- Macrochelidae**
on *Apis cerana*, in Taiwan 4745
on *Apis mellifera*, in Taiwan 4745
- Macrochilo cribrumalis**
in Norway 5373
on *Carex*, in Norway 5373
on *Luzula*, in Norway 5373
- Macrolophus costalis** auct. (see *M. rubi*)
- Macrolophus rubi**
biology of 2101
in Bulgaria 2101, 5650
insecticides in, toxicity of 3294
preying on
aphids 3294
Thrips tabaci
and biological control using 2101
in Bulgaria 2101, 5650
Trialeurodes vaporariorum, and biological control using 490
- Macromesus americanus**, in USA 918
- Macromischoides**, in cacao plantations, in Nigeria 3015
- Macromischoides aculeatus**
in Ghana 7401–7403
in cacao plantations, in Ghana 7401–7403

Macromischoides aculeatus *contd.*

- preying on, *Coelaenomenodera elaeidis*, in West Africa 1166

Macroneura muellneri (see *Eupelmella*)**macrophadna**, *Alloxysta*

- Macrophya*, parasites of, in France 6428

Macrophya albicincta

- biology of 6428
- in France 6428
- taxonomy of, *Macrophya alboannulata* distinct from 6428

Macrophya alboannulata

- biology of 6428
- in France 6428
- taxonomy of, *Macrophya albicincta* distinct from 6428

Macrophya crassula

- biology of 6428
- in France 6428

Macrophya ribis

- biology of 6428
- in France 6428

macroporanus, *Quadraspidiotus***macrops**, *Imbrasia*

- Macropsinae*, in New Zealand 1086

Macrotipilium atropurpureum, *Amnemus*

- quadrituberculatus* on, in New South Wales 6704

macropus, *Thelaira***Macrorhaphis acuta**

- biology of 1892
- preying on, *Ascotis selenaria* 1892

macrorubrus, *Sisyphus***macroscopa**, *Brachmia*

- Macroseiniinae*, in Taiwan 5833

Macrosiphoniella sanborni

- biology of 3356
- in Chile 3356
- in Poland 7138
- in UK 7581
- on *Chrysanthemum*, in Chile 3356
- on *chrysanthemum*, in England 7581
- Verticillium lecanii* in and biological control using, in UK 7581
- bioassay for 6332

- Macrosiphum**, on *Panicum*, in São Tomé 4208

Macrosiphum africanum

- in Chile 3982
- in Kenya 3802
- on *Commiphora zimmermannii*, in Kenya 3802
- passion fruit woodiness virus in, transmission of 3802

Macrosiphum avenae

- alarm pheromone in 600
- barley yellow dwarf virus in, transmission of 3115, 3577, 5721, 7479
- biology of 1339, 1939, 6677, 7228
- cardamom (greater) mosaic streak virus in, transmission of 946

Macrosiphum avenae *contd.*

- control of 7228
- insecticides for 1339, 1610, 1677, 1939, 2256, 3577, 4252, 5752
- timing of measures for 5496
- development in, effects of chlormequat chloride on 276
- Entomophthora* spp. in
 - in Chile 5489
 - in England 801
- E. aphidis* in, pathogenicity of 6884
- illustrations of 2766
- in Austria 7228
- in Belgium 821
- in Bulgaria 1939
- in Canada 6041
- in Chile 3982, 5489, 7479
- in East Germany 4252, 5496
- in India 946
- in Poland 1352
- in Romania 6917
- in South Korea 1879
- in UK 801
- in USA 1344, 2256
- in USSR 5752, 6677
- in West Germany 1610, 2781, 5487
- maize dwarf mosaic virus in, not transmitted 2190
- migration in 1610
- natural enemies of, in Bulgaria 1939
- on barley 1677
 - in Canada 6041
 - in South Dakota 1344
 - in West Germany 5487
 - varietal preferences of 4251
- on grain crops, in West Germany 1610
- on maize, in Poland 1352
- on oats
 - effects of 3577
 - in Austria 7228
 - in Canada 6041
 - in Michigan 2256
 - in South Dakota 1344
 - in West Germany 5487
 - varietal preferences of 4251
- on wheat
 - assessing infestations of 2781
 - damage caused by 5489, 6677
 - distribution pattern of 5489
 - effects of 3577
 - effects of fertilizers on 6917
 - forecasting infestations of 1939
 - in Austria 7228
 - in Belgium 821
 - in Bulgaria 1939
 - in Canada 6041
 - in Chile 5489
 - in East Germany 4252, 5496
 - in Romania 6917
 - in South Dakota 1344
 - in Ukraine 5752, 6677
 - in West Germany 2781, 5487

***Macrosiphum avenae* contd.**

- on wheat *contd.*
- varietal preferences of 4251
- parasites of, in England 801
- parasitised by
 - Aphidius ervi*, in Belgium 821
 - A. picipes*, in Belgium 821
 - A. uzbekistanicus*, in Belgium 821
 - Praon volucre*, in Belgium 821
- pea enation mosaic virus in, transmission of 3112
- population dynamics of 5496
- predators of, in England 801
- preyed on by
 - Allograpta* spp., in Chile 5489
 - Aphidoletes aphidimyza* 3832
 - Coccinellidae, in Chile 5489
 - Episyrphus balteatus*, in Poland 1352
 - Sphaerophoria scripta*, in Poland 1352
- reproduction in, effects of chlormequat chloride on 276
- seasonal abundance of 1879
- traps for 1879

Macrosiphum compositae

- in Kenya 3802
- passion fruit woodiness virus in, transmission of 3802

Macrosiphum euphorbiae

- amino acids in 3423
- biology of 2966
- celery (western) mosaic virus in, transmission of 3113
- control of
 - cultural measures for 3681
 - growth regulators for 5201
 - insecticides for 1451, 4557, 4925, 4970, 5625
 - reflective mulches for 4925
- cucumber mosaic virus in, transmission of 4925
- feeding behaviour in 1172
 - effects of food-plant on 5342
 - effects of insecticides on 5342
- hemocytes in 5851
- hemolymph in, coagulation of 5851
- in Australia 1451, 2966
- in Brazil 2072, 4970
- in East Germany 2359, 7376
- in Finland 5635
- in France 7156
- in Italy 6746
- in Kenya 3802
- in Peru 176
- in Poland 7138
- in Switzerland 2071
- in UK 4352, 5623, 5625, 5978, 6092
- in USA 878, 2968, 3680–3681, 4557, 4925, 7359
- in carrot fields, in France 7156
- JH mimics in, effects of polymorphism on sensitivity to 5766

***Macrosiphum euphorbiae* contd.**

- lily symptomless virus in, transmission of 943
- on *Capsicum*, in Finland 5635
- on cauliflower, feeding by 5342
- on *Citrus*, in Italy 6746
- on cucumber, feeding by 5342
- on lettuce, in New York 4557, 4925
- on *Passiflora ligularis*, in Kenya 3802
- on passion fruit, in Kenya 3802
- on pea, in New South Wales 1451
- on *Phaseolus*, in New South Wales 1451
- on potato
 - damage caused by 5625, 5627
 - feeding by 5342
 - in Brazil 2072, 4970
 - in East Germany 7376
 - in England 5625
 - in Maine 878, 2968, 3680–3681
 - in Queensland 2966
 - in Switzerland 2071
 - in UK 4352
- on raspberry, in UK 6092
- on rose, in Northern Ireland 5978
- on Solanaceae, in Brazil 2072
- on *Solanum berthaultii*, trapped by hairs 5623
- on *Solanum polyadenium*, trapped by hairs 5623
- on *Solanum tuberosum* × *S. berthaultii*, trapped by hairs 5623
- on sugar-beet, feeding by 5342
- on *Trifolium pratense*, in East Germany 2359
- on *Vicia faba*, feeding by 5342
- on weeds, in Indiana 7359
- parasites of, effects of growth regulators on 5201
- parasitised by
 - Aphidius nigripes* 5201
 - Braconidae, and biological control using, in Maine 2968
- pea mosaic virus in, transmission of 455, 5726
- population dynamics of 2072
- potato leaf roll virus in
 - in Maine 3680–3681
 - transmission of 2072, 3680–3681
- potato virus Y in
 - persistence of 5727
 - transmission of 2072, 5727
- predators of, in Maine 878
- preyed on by
 - Aphidoletes aphidimyza* 3832
 - Chrysopa carnea*, and biological control using, in Finland 5635
 - Coccinella septempunctata*, in Finland 5635
 - Coccinellidae, in New South Wales 1451
- rearing of, diets for 5924

Macrosiphum euphorbiae *contd.*

- soy-bean mosaic virus in, transmission of 7359
- taxonomy of, characters distinguishing *Acyrtosiphon pisum* and 2359
- traps for 2072, 4925
- evaluation of catches in 7156

Macrosiphum fragariae

- control of, insecticides for 1610
- illustrations of 2766
- in New Zealand 1202
- in West Germany 1610
- migration in 1610
- on grain crops, in West Germany 1610
- on *Rosa*, in West Germany 1610
- on *Rubus*, in West Germany 1610

Macrosiphum gossypii (see *Acyrtosiphon*)**Macrosiphum granarium** (see *M. avenae*)**Macrosiphum ibarae**

- preyed on by
 - Coccinella septempunctata* 1285
 - Harmonia axyridis* 1285

Macrosiphum miscanthi

- control of, insecticides for 2269
- dispersal of 1937
- in Australia 1937
- in New Zealand 1937, 2269
- on wheat, in New Zealand 2269

Macrosiphum pisi (see *Acyrtosiphon pisum*)**Macrosiphum rosae**

- control of, insecticides for 1499, 1504, 3024
 - in Bulgaria 1499, 1504
 - in India 3024
 - in Poland 186, 7138
 - in Tanzania 5918
 - in UK 5978
- on ornamental plants, in Poland 186
- on rose
 - in Bulgaria 1499, 1504
 - in Northern Ireland 5978
 - in Tamil Nadu 3024
- parasitised by, *Aphidius rosae*, in Bulgaria 1504
- predators of, effects of insecticides on 1499
- preyed on by
 - Adonia variegata*, in Bulgaria 1499, 1504
 - Chrysopa carnea*, in Bulgaria 1499, 1504
 - Coccinella septempunctata*, in Bulgaria 1499, 1504
 - Episyrphus balteatus*
 - in Bulgaria 1499, 1504
 - in Poland 186
 - Scaeva pyrastris*, in Poland 186
 - Syrphus ribesii*, in Poland 186
 - S. vitripennis*, in Poland 186
- rearing of, diets for 5924

Macrosiphum rosae ibarae (see *M. ibarae*)**Macrosiphum rosaeiformis**

- cardamom mosaic virus in, transmission of 145
- in India 145

Macrosiphum solanifolii (see *M. euphorbiae*)**Macrosiphum sonchi** (see *Uroleucon*)**Macrosteles cristatus**

- green petal disease, causal agent in, transmission of 5719
- stylets in, amputation of 2551

Macrosteles fascifrons

- clover phyllody, causal agent in, transmission of 1576
- in USA 309
- on lucerne

Macrosteles in Nebraska 309

- non-target effects of insecticides on 309

Macrosteles rearing of, diets for 1835**Macrosteles forficulus**, in Turkey 546**Macrosteles laevis**

- in Poland 5590
- in Turkey 546
- oat blue dwarf virus in, transmission of 6673

Macrosteles orientalis

- biology of 462
- Cryptotaenia japonica* witches' broom disease, causal agent in, transmission of 462

Macrosteles quadripunctulatus

- in Poland 5590
- rice giallume virus in, not transmitted 7250

Macrosteles salinus, in Turkey 546**Macrosteles sexnotatus**

- in Turkey 546
- rice giallume virus in, not transmitted 7250

Macrotermes, in southern Africa 4231**Macrotermes barneyi**

- control of 6647
- insecticides for 6645
- in China 6645, 6647
- in reservoir dams, in Kwangtung Province 6647

Macrotermes bellicosus, water relations of 1918**Macrotermes subhyalinus**

- fat-body in, protein synthesis in 2739
- in Kenya 2739
- ovary in, protein synthesis in 2739

Macrozamia macdonelli, *Demyrsus*

- meleoides on, in Italy 3726

maculata, *Ceratomegilla*, (*Coleomegilla*)**maculata**, *Epicauta***maculata**, *Erythroneura***maculata**, *Locris***maculata**, *Marlattella***maculata**, *Pales***maculata**, *Siphona*

- maculata*, *Therioaphis* (see *T. trifolii*)
maculator, *Itopectis*
maculatum, *Piesma*
maculatus, *Callosobruchus*
maculatus, *Conocephalus*
maculatus, *Dermestes*
Maculella noctuides (see *Dalaca*)
maculicollis, *Bephrata*
maculicornis, *Aphytis*
maculicoxis, *Pseudorhyssa*
maculifemoratus, *Lucanus*
maculifrons, *Zygina*
maculiger, *Bracon*
maculipennis, *Plutella* (see *P. xylostella*)
maculipes, *Aphycus*
maculipes, *Campoletis*
maculiventris, *Podisus*
maculosa, *Numicia*, (*Tambinia*)
maculosus, *Mylocerus undecimpustulatus*
madecassus, *Spirachthodes*
madecassus, *Stethorus*
Madeira Islands, stored products in, pests of 1545
madens, *Tribolium*
maderae, *Leucophaea*
Madhuca longifolia
Cecidomyiidae on
galls of 7386
in India 7386
Indarbela spp. on, in Haryana 2867
madidus, *Pterostichus*
(*Steropus*)
Madurasia obscurella
control of, insecticides for 6770, 7345
in India 6770, 7345
on *Cajanus cajan*, in India 6770
on *Phaseolus mungo*, in India 6770
on *Vigna mungo*, in Delhi 7345
on *Vigna radiata*, in Delhi 7345
Maggottract, attractant for, *Rhagoletis pomonella* 3621
Magdicada
in Illinois 2675
life-cycle of 2675
on deciduous trees, in Ohio 6521
on grapevine, in Ohio 6521
on peach, in Ohio 6521
on *Prunus cerasus*, in Ohio 6521
on *Rhus toxicodendron*, in Ohio 6521
Magdicada cassinii
in USA 6521, 7165
in apple orchards, in Ohio 7165
in oak forests, in Ohio 7165
in peach orchards, in Ohio 7165
numbers of eggs in nests of 6521
population density of 7165
Magdicada septendecim
in USA 6521, 7165
in apple orchards, in Ohio 7165
in oak forests, in Ohio 7165
in peach orchards, in Ohio 7165
numbers of eggs in nests of 6521
Magdicada septendecim contd.
population density of 7165
magna, *Daphnia*
magnanima, *Homona*
Magnesium
in *Alternanthera philoxeroides*, effects on
Agasicles hygrophila of 3446
in cardamom, effects of mosaic virus
infection on 145
in *Citrus*, relation of *Aceria sheldoni*
infestation and 2896
in okra
effects of yellow-vein mosaic virus
infection on 1439
effects on insect susceptibility of 2037
in *Spodoptera litura*, effects of viral
infection on 3152
ion (Mg^{2+})
in *Achaea janata* hemolymph, effects of
Bacillus thuringiensis on 6342
in apple, effects of clean cultivation on
6111
in pea, effects on fonofos uptake of
5776
in *Vigna radiata*, effects of mung bean
yellow mosaic virus on 7349
Magnesium oxide, against, *Tetranychus*
urticae, on *Phaseolus* 6935
Magnetic fields, responses of *Melolontha*
melolontha to 3467
magnifica, *Eacles*
magnifica, *Eterusia* (see *E. aedea*)
Magnolia acuminata, *Tetra kingi* on, in Ohio
3985
magnoliae, *Acyrtosiphon*, (*Aulacorthum*)
magnum, *Agonum*
magnus, *Nasutitermes*
Magrettia mutica, in USSR 735
mahalebellus, *Yponomeuta*
Mahanarva fimbriolata
control of, integrated 4824
in Brazil 4824
on sugar-cane, in Brazil 4824
Mahanarva posticata
control of
integrated 4824
Metarhizium anisopliae for 6669–6670
in Brazil 4824, 6669–6670
on sugar-cane, in Brazil 4824, 6669–6670
Mahonia
Coryphista meadii on
damage caused by 409
in British Columbia 4599
in Idaho 4599
mahoniae, *Apanteles*
maidis, *Dalbulus*
maidis, *Peregrinus*
maidis, *Rhopalosiphum*
(*Aphis*)
maidis, *Sphenophorus*

Maine

- Aphis nasturtii* in
 natural enemies of 878
 on potato 2968, 3680–3681
- Aulacorthum solani* in
 natural enemies of 878
 on potato 2968, 3680–3681
- Choristoneura fumiferana* in
 natural enemies of 5437
 on *Abies* 4162
- Lepidoptera in 5240
- Macrosiphum euphorbiae* in
 natural enemies of 878
 on potato 2968, 3680–3681
- Myzus persicae* in
 natural enemies of 878
 on potato 2968, 3680–3681
- Pissodes strobi* in, on *Pinus* 4412
- Scolytidae in
 on *Abies* 3763
 on *Picea* 3763
- Maize** (*Zea mays*)
- Acyrtosiphon dirhodum* on, in Chile 688
- Adrasus* spp. on, in Yugoslavia 4262
- Agallia constricta* on, in Georgia (USA) 5503
- Agriotes* spp. on
 in France 3950
 in Italy 3953
- A. medvedevi* on, in Yugoslavia 4262
- A. obscurus* on, in Yugoslavia 4262
- A. sputator* on
 in Bulgaria 152
 in Yugoslavia 4262
- A. ustulatus* on
 in Bulgaria 152
 in Yugoslavia 4262
- Agrotis* spp. on, in Iran 1341
- A. exclamationis* on, in East Germany 375
- A. ipsilon* on
 feeding by 5940
 in Bulgaria 2077
 in Indonesia 728
 in New Zealand 3515
- A. segetum* on
 feeding by 5940
 in East Germany 375
 in Iran 1340
 rearing of 6528, 6572
- aldrin in, metabolism of 1703
- Anaphothrips sudanensis* on, in Punjab 7247
- Angustalius malacellus* on
 damage caused by 7240
 in Italy 7240
- aphids on, in Georgia (USA) 5503
- arthropod pests of
 in Karnataka 6683
 in UK 545

Maize contd.

- Aspergillus flavus* in, in Georgia (USA) 4260
- Atherigona* spp. on, in Delhi 4842
- γ -BHC in, residues of 1050
- Blaniulus guttulatus* on, in France 3950
- Bolacidothrips graminis* on, in Egypt 5506
- Busseola fusca* on, in South Africa 5507
- Carabidae on, in North America 770
- carbaryl in, residues of 2793
- carbofuran in, effects on yield of 1691
- cardamom mosaic virus in, in Karnataka 145
- cereal tillering disease, causal agent in, symptoms of 3803
- Ceratomyza fascialis* on, in Colombia 5983
- Chabuata major* on, development of 1798
- Chaetocnema pulicaria* on, in New York 4558
- Chilo* spp. on, in Europe 1612
- C. partellus* on
 in Delhi 1946, 7248
 in Pakistan 773
 in Punjab 2771, 4840
 resistance to 1946, 7248
 varietal preferences of 3593, 4841
- chlordan in
 effects on yield of 1691
 residues of 3953
- chlorpyrifos in, residues of 2793
- chlorpyrifos-methyl in, residues of 1981
- Cicadellidae on, in Nigeria 6047
- Cicadulina chinai* on, in Egypt 4828
- C. mbila* on, in Rhodesia 282
- C. parazeae* on, in Rhodesia 282
- C. storeyi* on, in Rhodesia 282
- Cnephasia longana* on, in East Germany 4834
- Conoderus* spp. on, in Missouri 3463
- C. falli* on
 in Georgia (USA) 7241
 resistance to 7241
- Cryptophlebia leucotreta* on, in Uganda 2084
- Cyaneolytta acteon* on, in Punjab 4829
- Dalbulus maidis* on
 effects of irrigation on 4261
 effects of planting date on 4261
 in California 4261
- DDT in, residues of 1050
- Delia platura* on
 damage caused by 4195
 in Netherlands 6773
 in New York 4557
- Diabrotica* spp. on, resistance to, evaluation of 3592
- D. balteata* on, in Colombia 5983
- D. longicornis* on
 effects of tillage on 6050
 in Illinois 1947

Maize contd.

- Diabrotica longicornis* on contd.
 in Michigan 2539
 in Nebraska 2794
 in Ontario 1691, 6050
 in USA 2791
- D. speciosa* on, in Brazil 4761
- D. undecimpunctata* on, in Michigan 2539
- D. virgifera* on
 in Illinois 1947
 in Iowa 2788
 in Michigan 2539
 in Nebraska 309, 2794
 in USA 2791
- D. viridula* on, in Colombia 5983
- Diatraea grandiosella* on
 in Indiana 6055
 in Mexico 703
- D. saccharalis* on, in Peru 704
 diseases of
 in Europe 2770
 role of insects in 6369
- Elasmopalpus lignosellus* on, in Peru 706
- Empoasca decipiens* on, in Bulgaria 3510
- Entomobrya marginata* on fungi on, in Czechoslovakia 6046
- entomology on 6992
- Euproctis virguncula* on, in Punjab 1345
- Euxoa detersa* on
 in Illinois 6598
 in Nebraska 6598
- Eysarcoris inconspicuus* on, in Pakistan 1338
- Frankliniella williamsi* on, in Peru 1245
- Graminella nigrifrons* on, in Georgia (USA) 5503
- Haplothrips acanthoscelis* on, in Bulgaria 1333
- Heliothis* spp. on, in Mexico 1164
- H. armigera* on
 in Bulgaria 2077
 in Iran 1931
 in Tamil Nadu 824
- H. zea* on
 assessing infestations of 281
 damage caused by 6682
 in Brazil 281
 in Canada 6682
 in Florida 4843, 5498
 in Georgia (USA) 359, 4260
 in Idaho 7243
 in Mexico 703
 in Missouri 5843
 in New York 4558
 in North Carolina 94, 795, 4263
 models of 7243
 resistance to, evaluation of 7242
- herbicides in, effects on aphid infestation of 280
- Hippelates pusio* on 2180

Maize contd.

- Hyperodes bonariensis* on, in New Zealand 3187
- Inopus flavus* on, development of 5483
- I. rubriceps* on, development of 5483
- insect pests of, in Quebec 5473–5476
- insect resistance in 6377
- insecticides in
 persistence of 7603
 residues of 703
 toxicity of 706
- leaf-eating insects on, damage caused by 725
- Lema gallaeciana* on, in Poland 2772
- leptophos in, residues of 1658, 2793
- Limoniuss dubitans* on, development of 2491
- Loxostege* spp. on, in North America 7032
- Macrosiphum avenae* on, in Poland 1352
- maize bacterial wilt, causal agent in, in New York 4558
- maize chlorotic dwarf virus in, in Georgia (USA) 5503
- maize dwarf mosaic virus in
 aphid transmission of 4267
 in France 2190
 in Georgia (USA) 5503
 in Kansas 4267
 in Ohio 6053
- maize mosaic virus in
 in Alabama 6052
 in Turkey 6038
- maize streak disease, causal agent in, in Rhodesia 282
- Marasmia trapezalis* on 4076
- Margaritita sticticalis* on, in Ukraine 5402
- Melanaphis indosacchari* on 2380
- Melanotus* spp. on
 damage caused by 3463
 in Missouri 3463
- M. depressus* on, development of 2491
- Mocis frugalis* on
 damage caused by 3578
 in Karnataka 3578
- Mythimna loreyi* on, in Japan 6039
- M. separata* on
 damage caused by 3579
 in New Zealand 3188, 3579, 3972
- M. unipuncta* on
 in Iran 1931, 6663
 in Khabarovsk 5486
 in Ontario 2793
- Neobrotica variabilis* on, in Colombia 5983
- Nezara viridula* on, in Egypt 851
- Oligonychus pratensis* on, in Texas 5484
- O. stickneyi* on, in Texas 5484
- Oria musculosa* on 270
- Oscinella frit* on 1608
 in East Germany 2790
 in England 3936

Maize contd.

- Oscinella frit* on contd.
 - in Europe 1612
 - in West Germany 3583
- Ostrinia furnacalis* on
 - in New Britain 5500
 - in New Ireland 5500
- O. nubilalis* on
 - damage caused by 3585-3588
 - effects of deep ploughing on 6679
 - effects of fertilizers on 5504
 - effects of irrigation of 5504
 - effects of plant spacing on 5504
 - effects of sowing date on 5504, 6684
 - forecasting infestations of 6684
 - in Austria 7249
 - in Bulgaria 5504-5505
 - in Delaware 2724
 - in Europe 1612
 - in France 5497, 5502, 7609
 - in Georgia (USA) 4260, 4265
 - in Hopei Province 6680
 - in Iowa 5499
 - in Iran 6056
 - in Massachusetts 5508
 - in Minnesota 7486
 - in New York 4558
 - in North America 3591
 - in North Dakota 2789
 - in Ontario 1691, 6048
 - in Romania 1353, 2795-2796
 - in Spain 6684
 - in Switzerland 1948, 4837, 6678
 - in Ukraine 6621, 6679
 - in USA 3585-3588
 - rearing of 5393, 5932
 - resistance to 1353, 2796, 4259, 5501, 6679, 7244-7246
 - evaluation of 284
 - specificity of 6685
- Oulema melanopus* on, in Poland 2772
- Pantomorus glaucus* on, in Brazil 4760
- Peregrinus maidis* on
 - diseases transmitted by 6054
 - in Alabama 6052
- pest control on 1623, 3956, 7608
 - aldrin for 7671
 - in Greece 7603
 - in Iowa 2792
 - in Wisconsin 285
 - in Wyoming 2259
 - recycling ULV sprayer for 3594
- pests of
 - effects of tillage on 5958
 - in Egypt 3589, 4836
 - in Europe 2770
 - in Nigeria 4268, 6051
 - in South Africa 5958
 - in UK 7630
 - in West Germany 6993
 - in Yugoslavia 1351

Maize contd.

- phorate in
 - effects of granule placement on uptake of 3936
 - effects on germination of 5507
 - metabolism of 1015, 3920
- Phytobia incisa* on, in Bulgaria 279
- propargite in, determination of 1826
- Prosapia bicincta* on 2572
- Pseudonapomyza asiatica* on, in Madhya Pradesh 3519
- P. spicata* on
 - in Egypt 1945
 - relation of plant age and infestation of 1945
- Rhopalosiphum maidis* on 280
 - in Canada 3590
 - in Egypt 178, 4776, 5506
 - in Kansas 4267
 - in Ontario 6049
 - in Peru 283
- R. padi* on, in Poland 1352
- Schistocerca americana* on, development of 1258
- Schizaphis graminum* on
 - in Kansas 4267
 - in Poland 1352
- Scutigerella immaculata* on, in France 3950
- Sesamia* spp. on, in Europe 1612
- S. nonagrioides* on, development of 1234
- Sitophilus zeamais* on 6229
- Sphaeraspis salisburyensis* on, in Rhodesia 813
- Sphenophorus callosus* on, in South Carolina 4264
- S. maidis* on
 - in New York 4558
 - in South Carolina 498
- Spodoptera exempta* on
 - feeding by 5904
 - rearing of 4098
- S. frugiperda* on
 - damage caused by 4838
 - in Antilles 3853
 - in Colombia 3540
 - in Florida 4843, 5498
 - in Georgia (USA) 4260
 - in Guatemala 4838
 - in Mexico 703
 - in New York 4266, 4558
- Tanymecus dilaticollis* on
 - in Bulgaria 1194
 - in Romania 26, 1350, 2515
- Tetranychus urticae* on, in Texas 5484
- Thrips tabaci* on tobacco crops preceded by 2100
- Tripeuxoa strigata* on, in Uruguay 5404
- Ustilago maydis* in 280
- virus diseases of, in Israel 6324
- wireworms on, in UK 4763
- Zyginidia quyumi* on, in Pakistan 2776

Maize bacterial wilt

causal agent

control of 4558

in, maize, in New York 4558

Maize chlorotic dwarf virus

control of 5503

in, maize, in Georgia (USA) 5503

Maize-cob gritsbait component for, *Solenopsis* spp. 1866

diet component for

Dacus oleae 666*Diatraea saccharalis* 6577*Heliothis zea* 6577**Maize cobs, diet component for, *Anastrepha****suspensa* 3218**Maize dwarf mosaic virus 2816**

control of 5503

hosts of 4453

in

Acyrtosiphon dirhodum, not

transmitted 2190

A. pisum, transmission of 6053*Macrosiphum avenae*, not transmitted

2190

maize

aphid transmission of 4267

in France 2190

in Georgia (USA) 5503

in Kansas 4267

in Ohio 6053

Myzus persicae, transmission of 6053*Rhopalosiphum maidis*, transmission of 4267*R. padi*, transmission of 2190*Schizaphis graminum*, transmission of 4267

sorghum

aphid transmission of 4267

in France 2190

Sorghum halepense

aphid transmission of 4267

infectivity of 6053

vectors of 4453

Maize fields*Blaptostethus piceus* in, in Egypt 4836

Carabidae in, in Iowa 2705

Chrysopa carnea in, in Egypt 4836

Collembola in, in East Germany 2603

insects in, in Egypt 3589

mites in, in East Germany 2603

Orius spp. in, in Egypt 4836*Scymnus* spp. in, in Egypt 4836

soil arthropods in, effects of fertilizers on 2602

Maize flour

diet component for

Acrolepiopsis assectella 1830*Galleria mellonella* 3508

Lepidoptera 1230

Maize-germ flour, diet component for,*Heliothis zea* 3408**Maize-leaf powder**diet component for, *Hydraecia micacea*

1238

Spodoptera exempta, in, development of 4173**Maize meal**diet component for, *Diatraea saccharalis* 237

Nitidulidae in, in USA 1846

pest control in, tricalcium phosphate for 1548

pests of

extraction of 657

in USA 3089

Maize mosaic virus

in

maize

in Alabama 6052

in Turkey 6038

Myzus persicae, transmission of 6038*Peregrinus maidis*, transmission of 6052*Rhopalosiphum maidis*, transmission of 6038*R. padi*, transmission of 6038*Sipha kurdjumovi*, transmission of 6038*Sorghum halepense*, in Turkey 6038**Maize oil, diet component for, *Diparopsis****castanea* 1840**Maize pollen, diet component for,***Amblyseius longispinosus* 2714**Maize powder, diet component for,***Spodoptera littoralis* 668**Maize rough dwarf virus 3803**

hosts of 4453

vectors of 4453

Maize silage

DDT in, residues of 5210, 5212

dieldrin in, residues of 5212

Maize starch

diet component for

Chilo suppressalis 134*Sitophilus oryzae* 1757**Maize (stored grain)***Alphitobius diaperinus* in, not developing 6314

arthropods in, in Yugoslavia 6853

bromomethane in, effects on germination of 3797

bromophos in, residues of 1558

carbon disulfide in, effects on germination of 3797-3798

Cathartus quadricollis in

imported into Italy 2173

in Brazil 2173

chlorpyrifos-methyl in, residues of 6292

Cryptolestes pusillus in 3784*Ephesthia cautella* in, in Malawi 2650

fenitrothion in, residues of 6292

insect damage to, effects of species composition on 5050

Maize (stored grain) contd.

- insect pests of, in Nicaragua 6232
 - insecticides in, persistence of 1672
 - interactions of other pests and 3784
 - Lasioderma serricorne* in, development of 4096
 - malathion in, residues of 6292
 - Nitidulidae in, in USA 1846
 - Oryzaephilus mercator* in, development of 114
 - O. surinamensis* in 3784, 7188
 - pest control in 6232, 6234, 7467
 - Bacillus thuringiensis* for 7466
 - bromophos for 449, 6279
 - malathion for 447
 - pirimiphos-methyl for 448
 - pests of, in Taiwan 4441
 - phosphine in, effects on germination of 3797-3798
 - pirimiphos-methyl in, residues of 6292
 - Plodia interpunctella* in 3097, 3784
 - Rhyzopertha dominica* in, resistance 1564
 - Sitophilus* spp. in, in Togo 6234
 - S. oryzae* in
 - damage caused by 6310
 - in Malawi 7467
 - insecticide susceptibility of 1025
 - resistance to 1563
 - S. zeamais* in 1558, 6229
 - in Arkansas 7489
 - in Malawi 7467
 - resistance to 682, 6681
 - susceptibility to 6235
 - varietal preferences of 681
 - Sitotroga cerealella* in
 - in Kansas 3791
 - in Malawi 7467
 - resistance to 682
 - susceptibility to 6235
 - Tribolium castaneum* in 3784
 - development of, effects of prey availability on 3407
 - Trogoderma granarium* in, resistance to 1563
- Maize streak disease**
- causal agent
 - in *Cicadulina* spp., transmission of 282
 - maize, in Rhodesia 282
- Maize stunt disease**, causal agent, in, *Dalbulus elimatus*, pathogenicity of 4450
- majalis*, *Amphimallon*
- major*, *Chabuata*
- major*, *Penthaleus*
- major*, *Pseudoperichaeta*
- major*, *Stenocranus*
- major*, *Thrips*
- malabarica*, *Amyotea*
- malaccensis*, *Cheyletus*
- malacellus*, *Angustalius*

- Malachiidae*, insecticides in, effects of 5806
- Malachius*, in dwellings, in West Germany 1249
- Malachius aeneus* 1249
- Malachius bipustulatus* 1249
- Malacocoris chlorizans*
 - in UK 796
 - preying on, *Cydia pomonella*, in England 796
- Malacosoma*, control of, *Bacillus thuringiensis* for 6819
- Malacosoma americanum*
 - in Canada 4481
 - in USA 2212, 4691, 5999, 7482
 - marking of, phenolphthalein for 4166
 - mortality in 4691
 - Nosema* spp. in
 - effects of 7482
 - in Kentucky 2212, 7482
 - transmission of 2212
 - on cherry, in Kentucky 7482
 - ovarioles in, effects of JH mimics on 1001
 - parasitised by
 - Ooencyrtus ennemophagus*, in Connecticut 5999
 - Tetrastichus malacosomae*, in Arkansas 4691
 - structural colours in 1749
 - Thelohanias pristiphorae* in, development of 4481
- Malacosoma californicum pluviale*
 - development in, effects of plant growth regulators on 5216
 - ocelli in 4011
- Malacosoma disstria*
 - antennal humidity receptors in, not found 2432
 - Bacillus thuringiensis* in, dispersal of δ -endotoxin of 1581
 - cocoons of 1844
 - coldhardiness in 1813
 - control of
 - Bacillus thuringiensis* for 4416
 - growth regulators for 6960
 - insecticides for 4416
 - dispersal of 6842
 - hyperparasites of, in North Dakota 3068
 - in Canada 4481, 6842
 - in USA 3045, 3068, 4416
 - Nosema disstriae* in, persistence of 6891
 - ocelli in 4011
 - on *Populus tremuloides*, in Minnesota 3045
 - on *Prunus virginiana*, in North Dakota 3068, 4416
 - on *Tilia americana*, in North Dakota 3068, 4416
 - parasites of, in North Dakota 3068
 - pathogens of, in North Dakota 3068
 - population dynamics of 3045
 - predators of, in North Dakota 3068

Malacosoma disstria *contd.*

- rearing of, techniques for 6581
- sex pheromone of 1844
- structural colours in 1749
- Thelophania pristiphorae* in, development of 4481

Malacosoma neustria

- control of
 - Bacillus thuringiensis* for 2251
 - growth regulators for 1671
- farnesane derivatives in, growth-regulator activity of 6939
- forecasting outbreaks of, use of light-traps in 5762
- in Bulgaria 3545, 5762
- in Italy 919, 3754
- in USSR 6103, 6344
- in Yugoslavia 2251
- nuclear polyhedrosis virus in
 - in Ukraine 6344
 - pathogenicity of 2221
- on *Quercus suber*, in Italy 919, 3754
- oxygen consumption in, effects of temperature on 39
- parasitised by
 - Apanteles laevigatus*, in Georgia (USSR) 6103
 - Telenomus phalaenarum*, in Bulgaria 3545
- Pleistophora carpocapsae* in, infectivity of 2182
- population dynamics of 919

Malacosoma neustria testacea

- cytoplasmic polyhedrosis virus in, infectivity of 2192
- nuclear polyhedrosis virus in 481

Malacosoma pluviale (see *M. californicum pluviale*)**malacosomae, Tetrastichus****Maladera**

- biology of 159
- on *Phaseolus aureus*, in Malaysia 861
- on seedlings, in Rajasthan 159

Maladera castanea

- Beauveria tenella* in, infectivity of 4469
- control of, *Beauveria bassiana* for 4469

Malagasy Republic

- Acostemma lucida* in 6442
- Antestiopsis clymeneis* in, on coffee 3017
- Balyana* spp. in, on coconut 5540
- Coccinellidae in 4137
- Coelaenomenodera perrieri* in, on coconut 5540
- Dulinius unicolor* in, on coffee 3017
- Earias biplaga* in, on cotton 3207
- E. insulana* in, on cotton 2529, 3207
- Gestronella centrolineta* in, on coconut 1389
- G. lugubris* in, on coconut 1389
- Heliothis armigera* in, on cotton 2529
- Lepidoptera in, natural enemies of 5450
- Locusta migratoria* in 6607

Malagasy Republic *contd.*

- Locusta migratoria* in *contd.*
 - on grasses 6606
- Mycodiplosis hemileiae* in, on coffee 3018
- Noctuidae in, on cotton 4024
- Opogona sacchari* in 6201
- rice stem-borers in 1958
- Stratiomyidae in 2333
- Tetranychus* spp. in, natural enemies of 4790
- T. neocaledonicus* in, natural enemies of 2712
- Yanga guttulata* in, on sugar-cane 246

malaica, Watshamia**Malameba locustae**

- biology of 5988
- in
 - Locusta migratoria*, morphology of 5086
 - Locustana pardalina*, morphology of 5086
 - Melanoplus sanguinipes* 5085
 - Paracinema tricolor*, morphology of 5086
 - Schistocerca americana*
 - development of infection with 5988
 - histopathology of 2199

Malaoxon (diethyl [(dimethoxyphosphinyl)thio]butanedioate)

- in *Myzus persicae*, metabolism of 5790
- in tea, malathion metabolite 5781

Malathion (diethyl [(dimethoxyphosphinothioyl)thio]butanedioate)

- against
 - Achaea janata*, on *Ricinus communis* 885
 - Aelia acuminata*, on grasses 6701
 - Aeneolamia varia* 1365
 - on sugar-cane 1935
 - Ammalo helops*, on *Ficus* 5574
 - Amrasca biguttula*, on okra 6760
 - Amyelois transitella*, in stored almonds 5716
 - Anomis flava*, on okra 4928
 - Anthonomus grandis*, on cotton 3710
 - Antigastra catalaunalis* 2079
 - Aonidiella aurantii*, on *Citrus* 334, 2898
- aphids
 - on apple 325
 - on tobacco 7399
- Aphis fabae* 5193
 - on sugar-beet 4921
 - on *Vicia faba* 5600
- A. gossypii* 4934
 - on cotton 3707
- A. pomi*, on apple 1418
- Attagenus megatoma* 6574
- Bemisia tabaci*, on tomato 7381
- Bephrata maculicollis*, on soursop 4997

Malathion contd.

against contd.

- Brevipalpus phoenicis* 6805
Byctiscus betulae
 on apple 6724
 on *Populus* 6724
Callosobruchus chinensis 3801
C. maculatus 3898
 in stored *Vigna unguiculata* 5067
Caryedon serratus, in stored groundnuts 6282
Cavariella aegopodii, on carrot 876
Cephalcia abietis, on *Picea* 2296
Ceroplastes floridensis, on *Citrus* 334
Ceutorhynchus sulcicollis
 on rape 6764
 on turnip rape 6764
Chalcodermus bimaculatus, on *Vigna unguiculata* 4946
Chortoicetes terminifera 5987
Chrysomphalus aonidum
 on *Citrus* 334
 on orange 5111
Contarinia sorghicola, on sorghum 6699
C. tritici, on wheat 822
Crocidolomia binotalis 6147
Cryphalus fulvus, on *Pinus* 1519
Cryptoblabes gnidiella, on sorghum 6068
Cryptolestes ferrugineus, in stored wheat 5062
C. pusillus, in stored wheat 5708
Curculio sayi, on *Castanea mollissima* 4896
Cydia pomonella, on apple 6727
Dalbulus maidis, on maize 4261
Diabrotica virgifera, on maize 309
Diatraea grandiosella, on maize 703
Dichocrocis punctiferalis, on *Ricinus communis* 885
Drosicha mangiferae, on mango 1436
Empoasca lybica, on cotton 3707
Ephesia cautella 2650
Euphyllura olivina, on olive 5587
Eupterote canaraica, on coffee 3019
Eurygaster spp. 6671
Frankliniella parvula, on banana 1435
Gilpinia pallida, on *Pinus* 2296
Heliothis armigera, on maize 824
H. zea, on maize 703
Henosepilachna vigintioctopunctata 4552
Hylobius pales 1664
Hypera brunneipennis, on lucerne 4293
Javesella pellucida, on wheat 1943
Laelophax striatella 4541
 on rice 835
Lasioderma serricorne 1547
Leiodinychus krameri 5055
Lepidosaphes beckii, on *Citrus* 334

Malathion contd.

against contd.

- Leptinotarsa decemlineata*, on potato 372, 5629
Leptopterna dolabrata, on grasses 6701
Lipaphis erysimi 2294
 on mustard 4545
Lygus lineolaris
 on celery 7527
 on potato 7527
Macrosiphum avenae 3577
M. rosae, on rose 3024
Mamestra brassicae 6758
Maruca testulalis, on *Vigna unguiculata* 364
Messor aegyptiacus 3532
Myzus persicae, on *Gerbera jamesonii* 1501
Neodiprion tsugae 520
Nephotettix spp., on rice 1951
N. cincticeps 4541
Nezara viridula, on *Citrus* 851
Nilaparvata lugens, on rice 6696
Operophtera brumata, on apple 2875
Ophiomyia phaseoli, on *Vicia faba* 1448
Oryzaephilus mercator 2226
O. surinamensis 449
 in stored wheat 5798, 6245
Parthenolecanium corni, on red currant 5546
Pectinophora gossypiella 3905
 pests of cabbage 4932
 pests of drying grapes 6248
 pests of stored grain 3098, 6274
 pests of stored maize 447, 6232, 6234
 pests of stored products 6246, 6283
 pests of stored wheat 5709, 6276, 7470
Phthorimaea operculella 6169
 in stored potatoes 4430
 on potato 7374
Pieris brassicae 2042, 6758
P. rapae 6758
Planococcus citri, on grape vine 313
Plodia interpunctella 2226
 in stored almonds 5716
Plutella xylostella 6758
 on cauliflower 2044
Pristiphora abietina 2296
Pseudococcus obscurus, on saxifrage 2111
Quadraspidiotus perniciosus, on apple 328
Rastrococcus spinosus, on mango 1035
Recurvaria nanella 6099
Rhopalosiphum maidis 3577
Rhynchophorus ferrugineus 6089
Rhyzopertha dominica 448, 1669, 6395, 6858
 in stored rice 3783

Malathion contd.

against contd.

Rhyzopertha dominica contd.

in stored wheat 5708, 6245

Saissetia oleae, on olive 5587*Scapteriscus acletus*, in pastures 7280*S. vicinus*, in pastures 7280*Selenothrips rubrocinctus*, on cacao 1491*Semiaphis dauci*, on carrot 4921*Sitophilus granarius* 449, 5798, 6858*S. oryzae* 448-449, 700, 1025, 3897, 5798

in stored maize 446, 705, 7467

in stored rice 3783

in stored sorghum 1555

in stored wheat 3788, 5708, 6245

in wheat grain 6864

S. zeamais, in stored maize 7467, 7469*Sitotroga cerealella* 1675

in stored maize 3791, 7467

in stored rice 3783

Spodoptera frugiperda, on maize 703*S. litura*, on *Ricinus communis* 885*Strepsicrates rorthia* 2034*Taeniothrips simplex*, on *Gladiolus* 7408*Tetranychus neocaledonicus*, on eggplant 2975*T. turkestanii*, on cotton 3707*T. urticae*on *Capsicum* 985, 1027on *Gerbera jamesonii* 1501

thrips, on tea 4991

Thrips imarginis, on apple 4312*T. tabaci*, on tobacco 7399*Tribolium* spp., in stored wheat 6245*T. castaneum* 448-449, 1025-1026, 1030, 1037, 2226, 5046, 5188, 6923

in stored wheat 5708, 5798

in wheat grain 6864

T. confusum 448-449, 6858

in stored wheat 5708

Trogoderma inclusum 6574*Xylosandrus compactus*, on avocado 332

effects of rainfall on toxicity of 509

formulations of 3897

viscosity of 2247

with charcoal 3924

in *Amaranthus*, residues of 4331in *Amblyseius longispinosus*, toxicity of 6417in *Apanteles glomeratus*, toxicity of 6965in *Aphis gossypii*, effects of food-plant on susceptibility to 4934in *Aphytis melinus*, toxicity of 2898in *Apis mellifera*, toxicity of 3319

in apple orchards, effects on mites of 2869

in aquatic environments, degradation of 5214

Malathion contd.

in attapulgit formulation, degradation of 7647

in *Azotobacter chroococcum*, effects on growth of 4568in *Bathyplectes curculionis*, toxicity of 4883

in bees, repellent effects of 4312

in beneficial insects, toxicity of 5205

in *Callosobruchus chinensis*, effects of diet on susceptibility to 7657in *Callosobruchus maculatus*, effects of diet on susceptibility to 7657

in carp, toxicity of 3325

in Chinese cabbage

pollen sterility caused by 7337

residues of 4331

in citrus groves, non-target effects of 5111

in *Coccinella septempunctata*, toxicity of 6967

in cotton, residues of 7661

in *Culex pipiens*

bioassay for 7661-7662

toxicity of 7660

in *Cyprinus carpio*, toxicity of 1696in *Daphnia magna*

bioassay for 7661-7662

toxicity of 7660

in emulsifiable concentrates, shelf life of 3878

in forests, non-target effects of 2296

in formulations, degradation of 5150

in fowl, effects on blood sugars of 3918

in hare, toxicity of 2293

in jute, residues of 7661

in kaolin formulation, degradation of 7647

in *Lagodon rhomboides*, esterase inhibition by 5808

in leek, residues of 4331

in lucerne fields, non-target effects of 309

in maize, residues of 703

in maize grain, residues of 6292

in *Menochilus sexmaculatus*, toxicity of 2294in *Nomuraea rileyi*, toxicity of 3823

in okra

persistence of 6760

residues of 4927

in partridge, toxicity of 2293

in pear, residues of 7662

in *Phaseolus vulgaris*, residues of 7661

in pheasant, toxicity of 2293

in *Rhizobium trifolii*, effects on growth of 4568

in rice, persistence of 6966

in *Sitophilus oryzae*, effects of diet on susceptibility to 1025

in soil, residues of 5146, 5215

in sorghum grain, residues of 6292

Malathion *contd.*

- in spinach, residues of 4331
- in *Stethorus loi*, toxicity of 6417
- in stored maize, residues of 448
- in stored wheat, residues of 448, 5708
- in tea, residues of 5781
- in *Tribolium castaneum*
 - effects of diet on susceptibility to 1025-1026
 - effects of fluctuating temperature on susceptibility to 1030
 - effects of temperature on susceptibility to 5188
 - effects on behaviour of 6253
- in wheat grain, residues of 6271, 6292
- in *Xanthogramma scutellare*, toxicity of 2294
- insecticidal activity of 1956
- photosensitivity of 2107
- resistance to, in
 - Amblyseius fallacis*, in Michigan 6025
 - Aphis fabae* 2444
 - Laodelphax striatella*, in South Korea 3278
 - Myzus persicae* 2444
 - Oryzaephilus surinamensis* 5177
 - in UK 6249
 - pests of stored grain 1207
 - Plodia interpunctella* 1746
 - in California 3086
 - Rhyzopertha dominica* 6249
 - in New South Wales 6288
 - Sitophilus granarius*, in New South Wales 6288
 - S. oryzae*, in New South Wales 6288
 - Trialeurodes vaporariorum* 5794
 - in England 3937
 - Tribolium castaneum* 5177, 6249
 - in Delhi 5046-5047
 - in India 6274
 - in Louisiana 1673
 - in Malaysia 6295
 - in New South Wales 6288
 - in Texas 1673
 - T. confusum* 6249
 - in New South Wales 6288
- selective toxicity of 1956
- synergists for 4541
 - triphenyl phosphate as 5047, 6249
- use of, in ULV sprays 2247
- with allylcarb, against, *Nephotettix cincticeps* 1656
- with γ -BHC
 - against
 - Acarus farris*, in stored barley 1561
 - A. siro* 7594
 - in stored barley 1561
 - in stored wheat 5800
 - Glycyphagus destructor* 7594
 - in stored barley 1561
 - in stored wheat 5800
 - Rhyzopertha dominica* 1669

Malathion *contd.*

- with γ -BHC *contd.*
 - against *contd.*
 - Tyrophagus longior*, in stored barley 1561
 - T. putrescentiae* 7594
 - in stored wheat 5800
- with carbaryl
 - against
 - Nephotettix cincticeps* 1656
 - Rhyzopertha dominica* 1669
- with chlordimeform, against, *Heliothis virescens* 6399
- with chlorfenson, against, *Brevipalpus obovatus* 3725
- with DDT
 - against
 - Diaphorina citri*, on orange 341
 - Thrips tabaci*, on cotton 893
- with DDT, and dicofol
 - in *Culex pipiens*, toxicity of 7660
 - in *Daphnia magna*, toxicity of 7660
 - in pear, residues of 7662
- with endrin
 - against
 - Amrasca devastans*, on eggplant 884
 - Aphis gossypii*, on eggplant 884
 - Leucinodes orbonalis*, on eggplant 884
- with fenitrothion
 - against
 - Bagrada hilaris*, on *Pennisetum typhoides* 4269
- bollworms, on cotton 7391
- Chilo polychrysus*, on rice 1951
- C. suppressalis*, on rice 1951
- Cicadellidae, on cotton 7391
- Diacrisia obliqua* 863
- Longitarsus nigripennis*, on *Piper nigrum* 1928
- pests of cotton 6188
- pests of rice 1356
- Schistocerca americana* 1253
- Schoenobius dodatellus*, on rice 1951
- Scirpophaga incertulas*, on rice 1951
- Sesamia inferens*, on rice 1951
- formulations of, viscosity of 2247
- in fish, toxicity of 1356
- in rice swamps, non-target effects of 1044
- use of, in ULV sprays 2247
- with granulosus virus, against, *Plodia interpunctella* 2226
- with isoprocarb, against, *Nephotettix cincticeps* 1656
- with kieselguhr, against, *Sitotroga cerealella*, in stored maize 3791
- with leptophos
 - against
 - Aphis gossypii*, on cotton 3707
 - Bemisia tabaci*, on cotton 3707

Malathion contd.

with leptophos contd.
against contd.

Empoasca lybica, on cotton 3707

Tetranychus turkestanii, on cotton
3707

with 3-methylphenyl methylcarbamate,
against, *Nephotettix cincticeps* 1656

with 2-(1-methylpropyl)phenyl
methylcarbamate, against, *Nephotettix
cincticeps* 1656

with nuclear polyhedrosis virus, against,
Spodoptera litura 6889

with oil emulsion
against

Chrysomphalus aonidum, on orange
5111

Parlatoria blanchardii, on date palm
1992

with parathion, against, *Phytobia cepae*,
on Amaryllidaceae 379

with propoxur, against, *Nephotettix
cincticeps* 1656

with protein bait, against, *Ceratitis
capitata* 494

with trichlorphon, against, *Rhyzopertha
dominica* 1669

α -Malathion monoacid (see Butanedioic
acid, 2-[(dimethoxyphosphinothioyl)thio-
]-, 4-ethyl ester)

β -Malathion monoacid (see Butanedioic
acid, 2-[(dimethoxyphosphinothioyl)thio-
]-, 1-ethyl ester)

Malawi

Acridoidea in 3

agricultural entomology in 7685

Aphis craccivora in, on groundnut 6325
cotton in

insect pests of 4983

pest control on 2246, 4501

Diparopsis castanea in, on cotton 389,
391, 4501, 7507

Ephestia cautella in

in stored groundnuts 2650

in stored maize 2650

groundnut in, pest control on 2246

Heliothis armigera in, on cotton 389,
391, 4501, 7507

Nomadacris septemfasciata in 5415

Sitophilus oryzae in, in stored maize
7467

S. zeamais in, in stored maize 7467

Sitotroga cerealella in, in stored maize
7467

malayanus, *Bako*

malayanus, *Nephotettix*

Malaysia

Acheta spp. in, on *Hevea brasiliensis*
7290

Acrocercops spp. in, natural enemies of
5837

Malaysia contd.

Asphondylia spp. in, natural enemies of
559

Chilo polychrysus in, on rice 4849

C. sacchariphagus in, natural enemies of
252

Coleoptera in, in stored illipe nuts 6228
crop pests in 2678

dipterocarpous trees in, pests of 2148

Dysmicoccus brevipes in, on pineapple
853

Eucosma isogramma in, natural enemies
of 252

grasshoppers in, on oil palm 7290

Helopeltis theivora in, on cacao
4381-4382

Lepidoptera in
in stored illipe nuts 6228
natural enemies of 5450
on rice 1356

Metisa plana in, natural enemies of 7290

Nephotettix spp. in 762

Nilaparvata lugens in, on rice 4865

pest control in 2678

Phaenacantha saccharicida in, on sugar-
cane 259

Phaseolus aureus in, pests of 861

Phyllotreta spp. in, on turnip 3973

Platypodidae in 7029

rice in

insect control on 1693

insect pests of 1951

pests of 3973

rice stalk-borers in, natural enemies of
3595

rice stem-borers in 1958

Scirpophaga incertulas in, on rice 4849,
7269

Scolytidae in 7029

Scotinophara coarctata in
natural enemies of 4853
on rice 4853

Sogatella furcifera in, on rice 4865

Spodoptera mauritia in
natural enemies of 1302
on rice 1302

stored rice in, insect pests of 6295

Sufetula sunidesalis in, on oil palm 6711

termites in, on exotic conifers 3560

Tirathaba mundella in, on oil palm 1991

Xyleborus abscissus in, on *Shorea* 2340

Malac scutellatus

in India 1847

on cucurbits, in Tamil Nadu 1847

Maldison (see Malathion)

malefida, *Agrotis*, (*Feltia*)

Maleic hydrazide (see MH)

malella, *Stigmella*
(*Nepticula*)

Mali

Anomis flava in

natural enemies of 5730

Mali *contd.*

- Anomis flava* in *contd.*
on cotton 5730
- Dermestes maculatus* in, in dried smoked fish 6234
- light-trap grid in 1224
- Locusta migratoria* in 4191
- mali**, *Dasineura*
- mali**, *Dysaphis* (see *D. plantaginea*)
- mali**, *Leptothrips*
(*Haplothrips*)
- mali**, *Monarthrum*
- mali**, *Psylla*
- mali**, *Zetzellia*
- Maliarpha separatella**
control of, insecticides for 7273
distribution of 1958
in Nigeria 4860, 7273
on rice 1958
in Nigeria 4860, 7273
- malinellus**, *Yponomeuta* (see *Yponomeuta padellus malinellus*)
- malinellus**, *Yponomeuta padellus*
- malinus**, *Eriophyes*
- malinus**, *Heterocordylus*
- malinus**, *Pseudaphycus*
- Malix** (see *Endosulfan*)
- Mallard** (see *Anas platyrhynchos*)
- malloi**, *Vogtia*
- Mallow** (see *Malva sylvestris*)
- Mallow**, Jew's (see *Jute*)
- Mallow**, marsh (see *Althaea officinalis*)
- Malpighamoeba locustae** (see *Malameba*)
- Malt syrup**, culture-medium component for, *Entomophthora thaxteriana* 2194
- Maltase** (see *Glucosidase*, α -)
- malthyi**, *Trichogramma*
- Maltings**, insect pests of, changes in status of 6237
- Maltose** (see D-Glucose, 4-O- α -D-glucopyranosyl-)
- Malus sylvestris**
Dasineura mali on, in Yugoslavia 5563
Yponomeuta padellus on, in Netherlands 5226
- Malva sylvestris**
Brachycaudus spp. on, in Italy 1408
Hyalopterus pruni on, in Italy 1408
Myzus persicae on, in Italy 1408
Spodoptera littoralis on, development of 3439
- Malvaceae**, *Tetranychus turkestanii* on 1927
- malvae**, *Aphis* (see *A. umbrella*)
- Malvex**, in apple orchards, effects on mites of 2011
- Malzid** (see *MH*)
- Mamestra brassicae**
aphrodisiac of 6148
biology of 7342
Chilo iridescent virus in, infectivity of 3828

Mamestra brassicae *contd.*

- control of
Bacillus thuringiensis for 7341
baits for 4095
economic threshold for 2046
insecticides for 3854, 3960, 4095, 4960, 6758, 7342
integrated 2919, 7340, 7343
- cytoplasmic polyhedrosis virus in 4471
- development in
effects of photoperiod on 7118
effects of temperature on 2519, 7118
- diapause in 591
effects of photoperiod on 5906, 6531
effects of population density on 5906
- endosulfan resistance in, effects of food-plant on 67
- enzymes in 2201, 6480
- feeding behaviour in 4095
- heterogeneity in, relation of migration and 6516
- hormones in 1130
- in Bulgaria 67, 1194, 2046, 2242, 2948, 4960, 7189
- in Hungary 6148
- in Japan 869-875
- in Netherlands 3960
- in Norway 7342
- in Poland 2919, 6761
- in UK 5597
- in USSR 3854-3856, 6620, 6758, 6767, 7118, 7340-7341, 7343
- in West Germany 1634
- in Yugoslavia 1351
- in orchards, in West Germany 1634
- juvenile hormone in 7085
- migration in 4095
- mortality in 870-872, 874
- natural enemies of, in USSR 3854
- Nosema plodiae* in
effects on dehydrogenase activity of 6480
effects on enzymes of 2201
- nuclear polyhedrosis virus in
and biological control using, in Siberia 3855
- in Bulgaria 2242
- specificity of 6346
- on *Amaranthus retroflexus*, development of 67
- on beet
in Japan 869
in USSR 6620
- on brussels sprouts
in England 5597
in Netherlands 3960
- resistance to 5597
- on cabbage
development of 67, 6531
in Bulgaria 2046
in Hungary 6148
in Moldavia 7340

Mamestra brassicae contd.

- on cabbage contd.
 - in Norway 7342
 - in Poland 2919
 - in Russian Republic 7341
 - in Ukraine 7343
 - in USSR 3856, 6620
- on cauliflower, in Norway 7342
- on *Chenopodium album*, development of 67
- on Chinese cabbage 632
- on crucifers, in Poland 6761
- on garden vegetables, in USSR 6758
- on *Lupinus*, development of 5906
- on maize, in Yugoslavia 1351
- on pea
 - development of 67
 - in USSR 3856
- on sugar-beet
 - development of 67
 - in Bulgaria 2948, 4960
 - in Japan 870–875
 - in USSR 3856
- on *Vigna unguiculata* 632
- parasites of, in Japan 870–871, 874
- parasitised by
 - Blacus* spp., in Bulgaria 7189
 - Campoletis maculipes*, in USSR 6767
 - Chelonus* spp., in Bulgaria 7189
 - Conomorium patulum* 6221
 - Ernestia consobrina*, in USSR 6767
 - Euplectrus bicolor*, in Bulgaria 7189
 - Eutanyacra picta*, in Bulgaria 7189
 - Exetastes cinctipes*, in USSR 6767
 - Exorista larvarum*, in Bulgaria 7189
 - Hyposoter didymator*, in USSR 6767
 - Microplitis tuberculifera*, in USSR 6767
 - Muscina pabulorum*, in Bulgaria 7189
 - M. stabulans*, in Bulgaria 7189
 - Peribaea tibialis*, in USSR 6767
 - Pimpla instigator* 6006
 - Trichogramma* spp.
 - and biological control using
 - in Moldavia 7340
 - in USSR 3854, 3856
 - in USSR 6767
 - T. evanescens*
 - and biological control using
 - in Poland 2919
 - in USSR 6620
 - in Bulgaria 7189
 - Vulgichneumon saturatorius*, in Bulgaria 7189
- pathogens of, in Japan 870, 874
- phototaxis in 632
- Pleistophora carpocapsae* in, not infective 2182
- P. schubergi* in, effects on enzymes of 2201
- population dynamics of 869–870, 873, 875

Mamestra brassicae contd.

- population growth in, effects of irrigation on 1194
 - predators of, in Japan 870–871
 - preyed on by
 - birds, in Japan 873–874
 - Calosoma* spp., in Bulgaria 7189
 - Carabidae, in Japan 874
 - Chrysopa carnea* 4731
 - C. perla*, and biological control using, in Poland 2919
 - Coccinella septempunctata*, in Bulgaria 7189
 - Propylea quatuordecimpunctata*, in Bulgaria 7189
 - prothoracic glands in 1130
 - activation of 591
 - rearing of
 - diets for 7068
 - equipment for 6580
 - techniques for 6573
 - sex pheromone of 6148
 - sodium fluoride in, toxicity of 1031
 - spermiogenesis in, effects of ecdysones on 5305
 - taxonomy of, characters distinguishing
 - Xestia c-nigrum* and 869
 - traps for 1634
 - wing disks in, morphogenesis of 2386
- Mamestra configurata**
- activity in 2916
 - antennal humidity receptors in 2432
 - control of, insecticides for 2914
 - in Canada 2914, 2916
 - life history of 2914
 - on rape
 - in Alberta 2914
 - in Canada 2916
 - pheromones in, synthesis of 4071
 - rearing of, techniques for 2914
 - sex pheromone of 3421–3422
 - traps for 2916
- Mamestra illobis**
- cytoplasmic polyhedrosis virus in, infectivity of 2192
 - rearing of, diets for 7068
- Mamestra oleracea** (see *Lacanobia*)
- Mammals**
- acephate in, toxicity of 2657
 - carbofuran in, toxicity of 2664
 - DDT in, effects on reproduction of 6393
 - dieldrin in, residues of 3335
 - methamidophos in, toxicity of 2657
 - organic phosphates in, metabolism of 2644
 - phoxim in, toxicity of 1606
- Mammals, small**
- BHC in, residues of 4579
 - in forests
 - effects of fenitrothion on 916
 - not affected by insect growth regulators 5656

Mammals, small contd.

preying on

Oxycanus fuscomaculatus, in Tasmania
1366*Pristiphora erichsonii*, in Manitoba
771**Man**

aldrin in, toxicity of 2306

BHC in, toxicity of 2306

 β -BHC in, residues of 2298 γ -BHC in, residues of 5814

carbaryl in, metabolism of 1058

chlordimeform in, metabolism of 3909

Conidiobolus coronatus in 2693

DDT in

residues of 2298, 3337, 5814, 6387

from domestic insecticides 5213

dieldrin in, residues of 2298, 5814

fenitrothion in, enzyme inhibition by
3912*Hippelates* spp. on 2180*Hirsutella thompsonii* in, no effects from
6358

insect viruses in, safety of 6912

insecticides in, accumulation of 1697

mirex in, residues of 1683

monocrotophos in, effects on choline
esterase of 3309*Monosteira unicostata* on, causing
dermatitis 1406organochlorine insecticides in, residues of
3320, 4562, 6978pesticide residues in, in Poland
6969-6970

pesticides in

information on treatment of poisoning
by 5175

residues of 4530

toxicity of 5203

Pogonomyrmex badius on, in Florida
1867***mancalis*, *Loxostege******Mancozeb***

against

Floracarus cyphomandrae, on*Cyphomandra betacea* 4323

pests of orange 6139

Phyllocoptruta oleivora, on *Citrus*
2030**Mandarin and tangerine (*Citrus reticulata*)***Anonidiella aurantii* on, susceptibility to
3638*Archipsocus* spp. on

damage caused by 6753

in Karnataka 6753

Bemisia citricola on, in Sicily 6551*Callantra minax* on, in West Bengal
2031*Coccus aegaeus* on, in Greece 6121*Dialeurodes citri* on

in Adzharia 7325

in Italy 6905

Mandarin and tangerine contd.*Diaprepes abbreviatus* on, resistance to
2892*Lepidosaphes beckii* on, in Nigeria 3635

oil emulsion in, toxicity of 5583

Panonychus citri on, in Italy 2028*Phyllocoptruta oleivora* on, in Taiwan
4187***Manduca sexta***

alkaloids in, excretion of 7072

biology of 3717

black mutant of 4058

canaline-urea cycle amino acids in, effects
on development of 4651

canavanine in, effects of 5256

carotenoids in, selective storage of 6509

cholesterol in, effects of dietary filipin on
34

control of, sterile-insect release for 6192

corpus cardiacum in, acidic peptide in
2441

descriptions of 3717

diapause in

effects of debraining on 1127

effects of photoperiod and temperature
on 3415

effects of wounding on 1127

regulation of 3415

emergence in, effects of temperature on
3390

enzymes in 58, 607, 7088

excretion in 4054

flight activity in 2506

gustatory chemoreceptors in 5290

hemolymph in

effects of diet on carbohydrates in
1752

effects of insecticides on 7088

hormones in 2441

in Colombia 3540

in Puerto Rico 3717

in USA 2506

in Virgin Islands 6192

JH mimics in, metabolism of 58

juvenile hormone in 5302-5303

hydrolysis of 607

protection and degradation of 1137

metamorphosis in, hormonal control of
4665

moulting in, hormonal control of 4665

natural enemies of, in Puerto Rico 3717

nervous system in 4647

on tobacco

in Colombia 3540

in Puerto Rico 3717

in Virgin Islands 6192

ornithine-urea cycle amino acids in, effects
on development of 4651

parasitised by

Apanteles congregatus 1752*Sarcophaga* spp., in Colombia 3540

***Manduca sexta* contd.**

- pupation in
 - relation of larval size and 2379
 - role of β -ecdysone in 7081
- rearing of, techniques for 6579
- salivary glands in 4647
- sterilisation of, γ -irradiation for 6192
- wax secretion in, effects of diapause on 2417

Manduca sexta paphus

- control of, insecticides for 4970
- in Brazil 4970
- on potato, in Brazil 4970

manducae, Winthemia**Maneb** ([1,2-ethanedithiolbis[carbomodithioato]](2-))manganese)

- against, pests of orange 6139
- with dimethoate, against, *Aphis gossypii*, on cucumber 5620
- with fentin acetate
- antifeedant for

Agrotis ipsilon, on *Ricinus communis* 3348

Euproctis fraterna, on castor 1711

Henosepilachna vigintioctopunctata, on castor 1711

Lymantria dispar, on *Quercus* 4585

Pericallia ricini, on castor 1711

Spodoptera littoralis, on cotton 4975

Manganese

- in cardamom, effects of mosaic virus infection on 145
- in *Citrus*, relation of *Aceria sheldoni* infestation and 2896
- in cotton 2992
- in insects, prediction of radiation-induced sterility using 3427
- in *Popilius disjunctus*, effects of insecticides on elimination of 578
- in *Solenopsis invicta* 2697
- in *Solenopsis invicta* queens 5311
- ion (Mn^{2+})
 - in *Bombyx mori*, trehalase inhibition by 4645
 - in *Drosophila melanogaster*, dependence of phenoxazinone synthase on 6467

Manganese, [[1,2-ethanedithiolbis[carbomodithioato]](2-)]- (see Maneb)***Mangifera indica* (see Mango)*****mangiferae, Aceria******mangiferae, Drosicha******mangiferae, Mirufens******mangiferae, Procystiphora, (Dasineura)******mangiferae, Protopulvinaria***

(*Coccus*)

mangiferus, Oligonychus**Mango (*Mangifera indica*)**

Aceria mangiferae on, in Delhi 7331

Aleurocanthus woglumi on, in Florida 6744

Amritodus atkinsoni on, in Gujarat 4919

Mango contd.

Antiteuchus tripterus on, in Colombia 4111

Aspidiotus destructor on, in Pakistan 1386

Aulacaspis tubercularis on, in Colombia 5532

Cisaberoptus kenyae on, in Taiwan 4187

Dacus correctus on, in Gujarat 7326

D. cucurbitae on, on Philippines 4174

D. dorsalis on, on Philippines 4174

Drosicha mangiferae on, in Uttar Pradesh 1436

Euproctis fraterna on feeding preferences of 4653 in Punjab 4653

Hypothenemus birmanus on, in Western Samoa 5674

Idioscopus clypealis on, in Maharashtra 3644

juvenile-hormone activity of extracts of 4064

Latoia lepida on, in Karnataka 6754

Megalopyge albicollis on, in Brazil 5243

Monopis leuconeurella on, in Tamil Nadu 3643

Neostauropus alternus on, in India 4917

Oligonychus mangiferus on, in Karnataka 1296

Oxyrhachis spp. on, in India 2337

Pauropsylla nigra on, in Philippines 1077

pests of

in Bangladesh 4180

in Southeast Asia and Pacific region 6141

Procystiphora mangiferae on, galls of 7154

Protopulvinaria mangiferae on

in Florida 7005

in Israel 7005

in Philippines 7005

Rastrococcus spp. on, in India 2337

R. spinosus on, in Pakistan 1035

Selenothrips rubrocinctus on effects on amino acids of 2676 in Kerala 2676

Sibine nesea on, in Brazil 3696

Xyleborus affinis on 5692

Xylosandrus compactus on, in Florida 332

Mango (stored fruit)

Anastrepha fraterculus in 7473

pest control in, fumigants for 7473

Mangold (see Beet)***Maniella delhiensis***

in India 4603

on *Ficus amplissima*, in Mysore 4603

parasitised by *Sycobiella amplissima*, in Mysore 4603

Sycoscapter punctatus, in Mysore 4603

- Manihot**, *Corynthrips stenopterus* on, in Mexico 3357
- Manihot esculenta** (see Cassava)
- Manihot utilisima** (see Cassava)
- Manitoba**
- Aphis* spp. in, on Umbelliferae 7027
- Caloglyphus anomalus* in, on wheat 4747
- Choristoneura fumiferana* in, on *Picea* 913, 5206
- Chrysopa* spp. in 1309
- Cydia prunivora* in 4309
- Entomoscelis americana* in natural enemies of 5077 on rape 5077 forest pests in 5673
- Hyalophora gloveri* in 3371
- Mamestra configurata* in, on rape 2916
- Palus beirnei* in, on grasses 1101
- Pristiphora erichsonii* in 771 stored grain in, pests of 1551
- D-Mannitol**, in sugar-cane, effects on *Melanaphis indosacchari* reproduction of 2380
- D-Mannose**
- in *Basidiobolus ranarum*, effects on growth and sporulation of 6879
- in *Conidiobolus osmodes*, effects on growth and sporulation of 6879
- in *Entomophthora*, effects on growth and sporulation of 6879
- Phyllotreta nemorum* feeding responses to 3459
- Mannosidase, α -**, in *Locusta migratoria* gut 739
- Mannosidase, β -**, in *Locusta migratoria* gut 739
- manteo**, *Heterocampa*
- Mantis religiosa**
- in India 4779
- preying on, *Poeciloceris pictus*, in India 4779
- manto**, *Platygaster*
- Maple** (see *Acer*)
- Maple, red** (see *Acer rubrum*)
- Maple, silver** (see *Acer saccharinum*)
- Maranta leuconera**
- Opogona sacchari* on damage caused by 6201 in Italy 6201
- Marasmia suspicalis**
- in India 1342
- on sugar-cane, in Uttar Pradesh 1342
- preyed on by, *Chlaenius bioculatus*, in Uttar Pradesh 1342
- Marasmia trapezalis**
- amino acids in 4076
- in India 1847, 3569, 6683
- on *Brachiaris mutica*, in Madhya Pradesh 3569
- on maize 4076
- in Karnataka 6683
- on *Pennisetum typhoides* 4076
- Marasmia trapezalis** contd.
- on *Setaria italica*, in Tamil Nadu 1847
- on sorghum 4076
- Marava arachidis**, in West Germany, importation of 2674
- marcida**, *Mocis*
- Margaritia sticticalis** (see also *Loxostege sticticalis*)
- biology of 7278
- control of 5402
- insecticides for 7278
- food-plants of 5402
- in USSR 5402, 7278
- on grasses, in Ukraine 7278
- on sugar-beet, in Ukraine 7278
- parasitised by, *Trichogramma* spp., and biological control using, in Ukraine 5402
- population dynamics of 7278
- Margarodes carvalhoi**
- food-plants of, in Brazil 155
- in Brazil 155
- on sugar-cane, in Brazil 155
- Margarodes paulistus**
- in Brazil 155
- on Poaceae, in Brazil 155
- Margarodes vitis**
- in Brazil 155
- on grapevine, in Brazil 155
- on tung, in Brazil 155
- Margarodes vitium** (see *M. vitis*)
- Margarodidae, in Chile 691
- Margaronia indica** (see *Palpita*)
- marginata**, *Entomobrya*
- marginata**, *Haplodiplosis*
- marginator**, *Macrocentrus*
- marginatus**, *Coreus*
- marginatus**, *Lathrolestes*
- marginella**, *Pimpla*
- marginellus**, *Carpophilus*
- marginellus**, *Coccygomimus* (see *Pimpla marginella*)
- marginellus**, *Collops*
- marginiventris**, *Apanteles*
- Mariana Islands**, *Dacus cucurbitae* in 5127
- Marietta**, parasitic males of 6638
- Marietta carnesi**
- biology of 4213
- hyperparasitising
- Diaspididae*
- in Fukuoka Prefecture 4213
- in Miyazaki Prefecture 4213
- in Japan 4213
- Marietta exitiosa** (see *M. javensis*)
- Marietta javensis**
- in Turkey 1427
- parasitising, *Coccus pseudomagnoliarum*, in Turkey 1427
- Marietta pulchella**
- in Canada 1513
- parasitising, *Phenacaspis pinifoliae*, in Quebec 1513

- mario**, *Chelisoches*
marisabelae, *Isoneurothrips*
maritima, *Anisolabis*
maritimus, *Pseudococcus*
Marlattella maculata
 sp. n., description of 1908
 in India 1908
 parasitising, *Aonidiella orientalis*, in Uttar Pradesh 1908
- Marmara oregonensis**
 sp. n., description of 2343
 biology of 2343
 in Canada 2343
 in USA 2343
 on *Abies grandis*, in North America 2343
 on *Pseudotsuga menziesii*, in North America 2343
- marmoratus**, *Archytas*
maroccanus, *Doclostaurus*
Marrow (see Squash)
Marsh mallow (see *Althaea officinalis*)
Marshalli, *Paragus*
Marshallius
 control of, crop management for 2004
 descriptions of 2004
 on *Anacardium occidentale*
 damage caused by 2004
 in Brazil 2004
- Marshland**, organochlorine insecticides in, residues of 4577
- martellii**, *Eurytoma*
Martianus dermestoides, biology of 3090
martini, *Cechenotettix* (see *C. quadrinotatus*)
martius, *Ixeuticus*
Maruca testulalis
 control of, insecticides for 364, 4339, 6164, 7356
 distribution maps for 4153
 in India 6164
 in Nigeria 4339, 7356
 in Uganda 364
 on *Cajanus cajan*, in Tamil Nadu 6164
 on *Vigna unguiculata*
 in Nigeria 4339, 7356
 in Uganda 364
 resistance to 7353
- Marvex Super**, against, *Coccus viridis*, on coffee 403
- Maryland**
Epilachna varivestis in, on soy bean 3672
Eriophyes theospyri in, on *Diospyros virginiana* 6742
Forcipomyia simulata in, natural enemies of 5462
Haliaeetus leucocephalus in, pesticide residues in 6410
Hyalomyzus spp. in, on *Saintpaulia* 2117
Limenitis archippus in 625
Mayetiola rigidae in, on *Salix* 3026
- Maryland contd.**
Ostrinia nubilalis in, on maize 3591
Pissodes strobi in, on *Pinus* 927
Rhyacionia frustrana in
 natural enemies of 206
 on *Pinus* 206
Sitona hispidulus in, on lucerne 3606
- Mascarene Islands**, *Drosophilidae* in 7131
- masiaka**, *Amblyseius*
Masonaphis, preyed on by, *Dicyphus rhododendri*, in England 6553
- Masonaphis morrisoni**
 in UK 5409
 on *Cupressus macrocarpa*, in England 5409
 on *Taxodium distichum*, in England 5409
- Masonaphis rumicis**
 sp. nov., description of 7134
 in India 7134
 on *Rumex*, in Uttar Pradesh 7134
- Massachusetts**
Crioceris asparagi in
 natural enemies of 3647
 on asparagus 3647
Lambdina pellucidaria in, on *Pinus* 3054
Lymantria dispar in 543, 2526, 3868
 natural enemies of 4214
Ostrinia nubilalis in, natural enemies of 5508
Scolytus multistriatus in, on *Ulmus* 2132
- Massangeana** (see *Dracaena fragrans*)
Massospora levispora, in, *Okanagana rimosa*, in Ontario 5985, 6887
- Mastigophora**, in, *Caliroa cerasi* 6356
- Mastotermes darwiniensis**
 biology of 216, 2737
 control of 216
 in Australia 216, 2737
 in farm buildings, in Queensland 216
 in fence posts, in Queensland 2737
 in wood, evaluation of protective treatments using 4719
- Mastrus**
 biology of 6108
 parasitising, *Cydia pomonella*, in Uzbekistan 6108
- Matacil** (see Aminocarb)
- materna**, *Othreis*
mathias, *Pelopidas*
Matricaria inodora
Haplothrips angusticornis on, in Bulgaria 1333
Thrips tabaci on, in Bulgaria 1333
- matricariae**, *Aphidius*
Matsumuraeses phaseoli
 in USSR 1872
 on soy bean, in USSR 1872
 parasitised by, *Nemorilla floralis*, in USSR 1872

Matsumuratettix hiroglyphicus

- development in, effects of sugar-cane
 - white leaf infected food-plants on 256
- food-plants of 256
- in Taiwan 256
- sugar-cane white leaf disease, causal agent
 - in, transmission of 256

Mattesia dispora

- in
 - Ephestia kuehniella* 2571
 - in Yugoslavia 4485, 6307
 - Sitotroga cerealella*, in Yugoslavia 6307

Mattesia trogodermae

- in
 - Trogoderma* spp.
 - biological control with 444
 - in California 444

Matthiola incana

- Lipaphis erysimi* on, in Chile 3356
- Thrips flavus* on, in Himachal Pradesh 4715
- T. kodaikanalensis* on, in Himachal Pradesh 4715

maturata, Ophiura, (Parallelia)

maura, Eurygaster
mauritanicus, Tenebroides
mauritia, Spodoptera
mauritiana, Drosophila

Mauritius

- Aulacaspis tegalensis* in, on sugar-cane 239
- Coccinellidae in 4137
- Coccoidea in, on *Citrus* 5100
- Drosophilidae in 7129-7131
- entomological parasite-host records from 1901
- Opogona sacchari* in 6201
- Opuntia* spp. in, *Cactoblastis cactorum* for
 - biological control of 5112

maxillosum, Psalidium**Maximiliana maripa, Lapaeumides dedalus**

- on, in Surinam 310
- Mayetiola destructor**
- biology of 1193, 5492
 - control of
 - crop management for 5493
 - insecticides for 6045
 - development in, effects of temperature on 1193
 - in Bulgaria 1194
 - in USA 5493, 6045
 - in USSR 5492
 - on wheat
 - effects of sowing date on 5492
 - in Georgia (USA) 6045
 - in Kansas 5493
 - in Kazakhstan 5492
 - resistance to 5493
 - parasitised by, *Platygastris zosine*, in Kazakhstan 5492

Mayetiola destructor contd.

- population growth in, effects of irrigation
 - on 1194

Mayetiola rigidae

- control of
 - crop management for 3026
 - insecticides for 3026
- in USA 3026
- on *Salix caprea*, in Maryland 3026

mayri, Diplolepis**Maytenus senegalensis, Chloropulvinaria**

- psidii* on, in South Africa 16

mbila, Cicadulina**McCollum's salt mixture, diet component**

- for, *Oryzaephilus mercator* 2418

mcDanieli, Tetranychus**MCH (see 2-Cyclohexen-1-one, 3-methyl-)****ME 605 S**

- against
 - pests of fruit trees 1629
 - pests of grapevine 1629
 - pests of hop 1629

meadii, Coryphista**meadii, Metasyrphus****Meal, Tenebrio molitor in, damage caused**

- by 3794

Mealybug (see Pseudococcidae)**Meat**

- DDT in, residues of 5212
- dieldrin in, residues of 5212
- diet component for, Staphylinidae 1219
- fenitrothion in, residues of 526
- methomyl in, not converted to
 - nitrosomethomyl 4536
- pesticide taints in, avoidance of 7675

Meat extract, diet component for,

- Semiadalia undecimnotata* 2570

Meat products, γ -BHC in, residues of 5782**Mecarbam (ethyl 6-ethoxy-2-methyl-3-oxo-7-oxa-5-thia-2-aza-6-phosphanonoate 6-sulfide)**

- against
 - Athalia lugens*, on radish 356
 - Ceratitis capitata* 3941
 - Delia brassicae*, on cauliflower 5598
 - Hylemya antiqua*, on onion 2652
 - H. brassicae*, on brussels sprouts 2651
 - Laodelphax striatella*, on rice 835
 - Psila rosae*, on carrot 3946

Mecarphon (methyl 3,7-dimethyl-6-oxo-2-oxa-4-thia-7-aza-3-phosphaoctan-8-oate 3-sulfide)

- against
 - Atomaria linearis*, on sugar-beet 3945
 - Blaniulus guttulatus*, on sugar-beet 3945
 - Brachydesmus superus*, on sugar-beet 3945
 - Hylemya antiqua*, on onion 3948
 - Macrosiphum avenae*, on oats 2256
 - Oulema melanopus*, on oats 2256

Mecarphon contd.

against contd.

Trialeurodes vaporariorum, on*Phaseolus* 3937with thiram, against, *Hylemya platura*, on*Phaseolus vulgaris* 3951**Mecostibus pinivorus**

sp. nov., description of 6435

in Rhodesia 6435

in moorland, in Rhodesia 6435

on *Pinus patula*, in Rhodesia 6435**Medetera aldrichii**

predatory behaviour in 4802

preying on, *Dendroctonus pseudotsugae*

4802

Medetera nitida

in Austria 3752

preying on

Scolytus multistriatus, in Austria 3752*S. scolytus*, in Austria 3752**Medetera signaticornis**

in USSR 6627

preying on, bark beetles, in USSR 6627

media, Spoggosia**medianus, Microplitis****Medic, burr** (see *Medicago hispida*)**Medicagenic acid** (see Olean-12-ene-23,28-dioic acid, 2,3-dihydroxy-, (2 β ,3 β ,4 α)-)**medicaginis, Aphis****medicaginis, Contarinia****medicaginis, Cydia, (Laspeyresia)****Medicago disciformis, Hypera postica** on, resistance to 2836**Medicago echinus, Hypera postica** on, resistance to 2836**Medicago hispida, Sitona humeralis** on, in New Zealand 3972**Medicago intertexta, Hypera postica** on, resistance to 2836**Medicago laciniata, Hypera postica** on, resistance to 2836**Medicago lupulina, Pemphigus populi** on, in UK 4417**Medicago marina, Hypera postica** on, resistance to 2836**Medicago minima, Hypera postica** on, resistance to 2836**Medicago praecox, Hypera postica** on, resistance to 2836**Medicago sativa** (see Lucerne)**Medicago scutellata, Hypera postica** on, resistance to 2836**Medicago tornata, Hypera postica** on, resistance to 2836**Medicinal plants**

Cicadodea on, in Poland 1335

insect pollinators of, in Egypt 2765

Leptinotarsa decemlineata on, in Ukraine 7219

Thysanoptera on, in Bulgaria 1333

Medicinal plants (dried)*Acarus siro* in, in Poland 940**Medicinal plants (dried) contd.***Cheyletus eruditus* in, in Poland 940*Glycyphagus destructor* in, in Poland 940*G. domesticus* in, in Poland 940*Trogoderma angustum* in, in West Germany 3108*Tyrophagus putrescentiae* in, in Poland 940**medinalis, Cnaphalocrocis****mediocris, Lixophaga****meditabunda, Edessa****Mediterranean area, Aphidiidae** in 6644**mediterraneus, Pnigalio****mediterraneus, Scolytus**(*Ruguloscolytus*)**Medlar (Mespilus germanica)***Adoxophyes orana* on, in Hungary 4211*Archips podanus* on, in Hungary 4211

Lepidoptera on, in Hungary 4307

Pandemis heparana on, in Hungary 2012*Spilonota ocellana* on, in Hungary 2012**medvedevi, Agriotes****meelgherriensis, Episphenus, (Basilianus)****megacephala, Pheidole****megacephalus, Microphanurus** (see*Trissolcus basalisi*)**Megachile, in Japan** 561**Megachile flavipes** (see *Chalicodoma*)**Megachile pacifica**

attraction of, by wasp attractants 3210

carbaryl in, metabolism of 1667

enzymes in, effects of drugs on 1662

EPN in, metabolism of 1662

in Canada 7281

in USA 3210

insecticides in, toxicity of 524, 1662

lipids in, effects of drugs on 1662

on lucerne, in Alberta 7281

on *Melilotus alba* 524

univoltinism in, selection for 7281

Megachile rotundata auct. (see *M. pacifica*)**Megachile yasumatsui**

sp. n., description of 561

in Japan 561

Megacraspedus calamogonus

in New Zealand 1974

on *Chionochoa*

damage caused by 1974

in New Zealand 1974

Megadelphax, parasitised by, Agonatopoides johannae, in Italy 7206**Megalopyge albicollis**

descriptions of 5243

in Brazil 5243

on mango, in Brazil 5243

Megalopyge urens

descriptions of 5243

in Brazil 5243

on avocado, in Brazil 5243

- Megalotomus quinquespinosus**
dorsal abdominal glands in, secretion of 3395
metathoracic glands in, secretion of 3395
- Megalurothrips peculiaris**, in India 7028
- Megarhyssa**
attraction of, by yeasts in host oviposition holes 2216
parasitising, *Sirex noctilio* 2216
- Megaselia halterata**
control of, insecticides for 2740
on mushroom 2740
- Megaselia nigra**
control of, insecticides for 2740
on mushroom 2740
- megaspila, Brachymeria**
- Megaspilus**, taxonomy of 556
- Megastigmus**, sex ratio in 6545
- Megastigmus aculeatus**
biology of 4239
in Austria 4239
on *Rosa canina*, in Austria 4239
- Megastigmus atedius**
in USA 3064
on *Pinus strobus*, in North Carolina 3064
- Megastigmus bipunctatus**
biology of 2133
emergence in 3055
in West Germany 2133, 3055
on *Juniperus communis*, in West Germany 2133, 3055
- Megastigmus brevicaudis**
in West Germany 3055
on *Sorbus aucuparia*, in West Germany 3055
- Megastigmus pictus**
in Poland 1888, 6545
on *Larix decidua*, in Poland 1888, 6545
parasitised by
Eupelmus urozonus, in Poland 1888
Mesopolobus zetterstedtii, in Poland 1888
sex ratio in 6545
- Megastigmus spermatrophus**
biology of 2133
emergence in 3055
in West Germany 2133, 3055
on *Pseudotsuga menziesii*, in West Germany 2133
parasitised by, *Habrocytus chrysos*, in West Germany 3055
- Megathrips**, in Crimea 1
- megatoma, Attagenus**
- Megoura viciae**
alate production in, role of corpus allatum in 4616
defensive behaviour in 5332
fecundity in, effects of defensive behaviour on 5332
feeding behaviour in
effects of food-plant on 5342
- Megoura viciae contd.**
feeding behaviour in *contd.*
effects of insecticides on 5342
on cauliflower, feeding by 5342
on cucumber, feeding by 5342
on potato, feeding by 5342
on sugar-beet, feeding by 5342
on *Vicia faba*, feeding by 5342
preyed on by, *Coccinella septempunctata* 5925
rearing of, techniques for 5925
sex pheromone of, response of
Acyrtosiphon pisum to 93
sexual behaviour in 93
stylets in, amputation of 2551
- Megymenum insulare**
biology of 2671
descriptions of 2671
in Australia 2671
on cucurbits, in Queensland 2671
- meinerti, Nicoletia**
- melaina, Colaspis**
- Melanagromyza hibisci**
Fusarium equiseti in, in Karnataka 6893
in India 6893
on okra, in Karnataka 6893
- Melanagromyza obtusa**
biology of 2060
control of, insecticides for 6164
descriptions of 2060
in India 888, 2060, 6164
on *Cajanus cajan*
in India 2060
in Tamil Nadu 6164
on sesame, in Tamil Nadu 888
- Melanagromyza phaseoli** (see *Ophiomyia*)
- Melanagromyza theae** (see *Tropicomyia*)
- Melanagromyza vignalis**
control of 6231
in Nigeria 6231
on *Vigna unguiculata*, in Nigeria 6231
- Melanagromyza virens**
control of, insecticides for 697
in Peru 697
on *Vicia faba*, in Peru 697
- melanagromyzae, Opius**
- Melanaphis indosacchari**
on maize 2380
on *Sorghum* 2380
on sugar-cane, effects of plant nutrition on 2380
reproduction in, effects of food-plant nutrition on 2380
- Melanaphis sacchari**
biology of 5952
control of, integrated 5952
in South Africa 5952
on sorghum
damage caused by 5952
in South Africa 5952
preyed on by
Coccinellidae, in South Africa 5952

***Melanaphis sacchari* contd.**

preyed on by *contd.*

Syrphidae, in South Africa 5952

melanarius*, *Pterostichus

(*Feronia*)

Melanaspis glomerata

in India 1274

on sugar-cane

damage caused by 1274

in Maharashtra 1274

preyed on by

Chilocorus nigritus, in Maharashtra

1274

Pharoscymnus horni, in Maharashtra

1274

Melanaspis obscura

biology of 2531

natural enemies of 2531

Melanaspis smilacis

in USA 2531

life history of 2531

natural enemies of, in USA 2531

Melanaspis tenebricosa

in USA 2531

life history of 2531

natural enemies of, in USA 2531

melancholica*, *Conioscinella***melancholica*, *Myriocheile*, (*Cicindela*)*****melancholicus*, *Zabrus***

Melandryidae, in Japan 7021

melanica*, *Drosophila**Melanins**

in *Schistocerca americana*, effects of

gregarisation pheromone on 3520

in *Spodoptera litura* integument, effects of

Bacillus thuringiensis on 886

in sunflower seeds, role in resistance to

Homoeosoma electellum of 384

melanocephala*, *Itopectis***melanoderes*, *Dysdercus******melanogaster*, *Drosophila******Melanogryllus desertus***

in Poland 7136

in Yugoslavia 4972

on sunflower, in Yugoslavia 4972

Melanolophia imitata

Cordyceps militaris in, and biological

control using, in British Columbia

6843

in Canada 6843

on *Tsuga heterophylla*, in British

Columbia 6843

Melanophila acuminata

antennal sense organs in 4006

infrared sensory pit in, wax secretion of

4658

Melanophila drummondi

antennal sense organs in 4006

biology of 1511

in USA 1511

on *Pinus ponderosa*, in Washington 1511

***Melanophila drummondi* contd.**

on *Pseudotsuga menziesii*, in Washington

1511

on *Tsuga heterophylla*, in Washington

1511

parasitised by

Atanycolus longifemoralis, in

Washington 1511

Coeoloides brunneri, in Washington

1511

Melanophila gentilis

in USA 1511

on *Pinus ponderosa*, in Washington 1511

Melanoplus*, antifeedants for 170**Melanoplus bivittatus***

in Canada 7173

seasonal abundance of, prediction of

7173

***Melanoplus confusus*, on grasses, effects of**

C₄ photosynthesis on 2682

Melanoplus differentialis*, enzymes in 6481**Melanoplus sanguinipes***

accessory glands in

development of 6502

oviposition stimulant in 7077

antibiotics in, effects of 5085

brain in, oviposition stimulant in 7077

control of

insecticides for 1251, 3319

Nosema locustae for 473

egg hatch in, effects of mating duration on

7106

fat-body in, development of 5886

fungi in 5085

in Canada 823, 1251, 7173

in USA 473, 3319

in grassland, in Washington 3319

Malameba locustae in 5085

on legumes, resistance to 2835

on rye, development of 5085

on wheat 1251

damage caused by 823

in Saskatchewan 823

reproductive system in, development of

5886–5887

seasonal abundance of, prediction of

7173

sex ratio in, effects of mating duration on

7106

melanopus*, *Oulema

(*Lema*)

melanoscelus*, *Apanteles***Melanostoma mellinum***

in Poland 185

preying on, aphids, in Poland 185

Melanotus

in soil, distribution pattern of 3463

on maize

damage caused by 3463

in Missouri 3463

preying on, *Rhyacionia neomexicana*

3066

- Melanotus depressus**, growth in, effects of diet on 2491
- Melanotus tamsuyensis**
in Taiwan 255
- Metarhizium anisopliae** in Taiwan 255
pathogenicity of 255
on sugar-cane, in Taiwan 255
- Meleagris gallopavo** (see *Turkeys*)
- meleoides, Demysus**
- Meleoma signoretti**
diapause in, effects of photoperiod on 4704
in USA 4704
- meles, Hypera**
- Melia azadirachta** (see *Azadirachta indica*)
- Melia azedarach**
antifeedant activity of extracts of 3906
insecticidal activity of drupes of 6032
- Melia indica** (see *Azadirachta*)
- Meliaceae, Hypsipyla grandella** on, in Costa Rica 921, 4072
- melicella, Phyllocnistis**
- Melica, Pemphigidae** on, in Switzerland 3373
- Melichares tarsalis**
in France 7474
in USA 441
preying on, *Ephestia cautella*, in Florida 441
- Melicocca bijuga, Xyleutes punctifer** on, in Grenada 5399
- Meligethes**
broad bean stain virus in, not transmitted 5723
control of, insecticides for 7387
Echtes Ackerbohnenmosaik virus in, not transmitted 5723
on rape, in UK 7387
- Meligethes aeneus**
control of, insecticides for 1602, 1663, 3311
in East Germany 4523
in Finland 4833
in Poland 1602, 1663, 3311, 4130, 5120, 6648, 6928
in UK 7601
in West Germany 1198
in oat fields, in Finland 4833
insecticide resistance in, in Poland 5120
mortality in 1198
on crucifers
damage caused by 6928
in Poland 6928
on rape
in East Germany 4523
in England 7601
in Poland 1663, 3311, 5120, 6648
predators of
in Poland 1602
in West Germany 1198
seasonal abundance of 4130
- Meligethes schilskyi**
biology of 7212
descriptions of 7212
in USSR 7212
on *Trichodesma incanum*, in Uzbekistan 7212
parasitised by, *Habrocytus* spp., in Uzbekistan 7212
- Melilotus**
Callaphididae on, in Switzerland 3373
Sitona cylindricollis on, resistance to 2835
Therioaphis riehmii on, resistance to 2835
Walshia miscecolorella on, resistance to 2835
- Melilotus alba**
Agapanthia cardui on, in Italy 1979
Megachile pacifica on 524
- Melilotus altissima, Pemphigus populi** on, in UK 4417
- Melilotus indica, Argina cribraria** on, development of 4379, 6154
- Melilotus officinalis**
Agapanthia violacea on, in Italy 1979
cucumber mosaic virus in, infectivity of 5069
pests of, in Romania 1980
- melinus, Aphytis**
- Melipax** (see *Toxaphene*)
- Melissa officinalis**
Eupteryx atropunctata on, in Poland 1335
E. collina on, in Poland 1335
E. origani on, in Poland 1335
E. stachydearum on, in Poland 1335
Macdunnoughia confusa on, in Bulgaria 4246
- Melissoblatpes fructivora**, taxonomy of, *Tirathaba mundella* misidentified as, in Malaya 1991
- Melittobia acasta**
courtship behaviour in 4225
in USSR 6011
parasitising, *Psenulus schencki*, in Russian Republic 6011
- Melittobia chalybii**, courtship behaviour in 4225
- Mellein** (see 1H-2-Benzopyran-1-one, 3,4-dihydro-8-hydroxy-3-methyl-, (R)-)
- mellifera, Apis**
- mellifica, Apis** (see *A. mellifera*)
- mellinum, Melanostoma**
- mellitor, Bracon**
- mellonella, Galleria**
- Meloboris collector**, taxonomy of, characters distinguishing *M. leucaniae* and 547
- Meloboris leucaniae**
sp. n., description of 547
in Japan 547
parasitising, *Mythimna separata*, in Japan 547

Meloboris orientalis

in Japan 547

taxonomy of, characters distinguishing *M. leucaniae* and 547**Meloboris proxima**, taxonomy of, characters distinguishing *M. leucaniae* and 547**Meloidogyne incognita**, in, tobacco, resistance to 7398**Melolontha**

control of

insecticides for 1047

problems with 1600

Melolontha hippocastani

biology of 1510, 7163

common names of 1510

control of 1510, 6591, 7163

distribution of 1510

in Austria 7163

in Sweden 1510

in West Germany 6591

melolontha, Melolontha**Melolontha melolontha***Beauveria tenella* in, pathogenicity of, relation of lipase activity and 6345

biology of 1510, 7163

common names of 1510

control of 1510, 6591, 7163

Bacillus popilliae for 1900*Beauveria tenella* for 1900

insecticides for 2281

distribution of 1510

food preferences of 1759

in Austria 7163

in France 1900

in Poland 4130

in Sweden 1510

in West Germany 1759, 6591

in lowland grassland, in West Germany 1759

lethargy disease of 6880

Melolonthinimermis hagmeieri in, in

France 1900

perception of gravitational waves by 4702

responses to ultraoptic information in 3467

seasonal abundance of 4130

wings in, folding mechanism of 5269

Melolontha vulgaris (see *M. melolontha*)**Melolonthinimermis hagmeieri**, in,*Melolontha melolontha*, in France 1900**Melon (cantaloupe and musk)***Agriotes sputator* on, in Bulgaria 152*A. ustulatus* on, in Bulgaria 152*Aphis gossypii* on

insecticide susceptibility of 4934

resistance to 3656

Bemisia tabaci on, in Iran 3005*Dacus cucurbitae* on, relation of amino acids and 6152*Diabrotica speciosa* on, in Brazil 4761*Empoasca abrupta* on, resistance to 3656**Melon (cantaloupe and musk) contd.***Frankliniella occidentalis* on 3656*Liriomyza sativae* on, resistance to 3656*Palpita hyalinata* on, in Antilles 3853*Poekilocerus pictus* on, in Pakistan 5399*Tetranychus cucurbitacearum* on, in

Egypt 1445

T. neocaledonicus on, development of 734*T. urticae* on 3656*Thrips tabaci* on tobacco crops preceded by 2100**Melon (cantaloupe and musk) (stored seeds)**

carbon disulfide in, effects on germination of 3799

phosphine in, effects on germination of 3799

Melothria pendula, watermelon mosaic virus in, in Florida 457**Membracidae**

alarm pheromone in 6534

in India 7047

parasitised by, *Mirufens afrangata*, in India 2337

relative growth in 7047

membranaceus, Brachytrypes**Memecylon lushingtoni**, *Byctothrips ayyari* on, in Karnataka 7044**memusae, Leucanella, (Automeris)****Menazon** (S-[(4,6-diamino-1,3,5-triazin-2-yl)methyl] O,O-dimethyl phosphorodithioate) against*Abacarus hystrix*, on *Lolium* 6703*Acarus siro*, in stored wheat 5800*Acyrtosiphon pisum* 2262

aphids

on apple 325

on potato 5622

on tobacco 7399

Aphis craccivora, on groundnut 1459, 2945*A. solanella*, on globe artichoke 1438*Brachycaudus cardui*, on globe artichoke 1438*Brevicoryne brassicae*, on cabbage 7340*Capitophorus elacagni*, on globe artichoke 1438*Dysaphis cynarae*, on globe artichoke 1438*D. devecta*, on apple 6106*Glycyphagus destructor*, in stored wheat 5800*Lipaphis erysimi* 7190

on mustard 4545

Macrosiphum avenae, on wheat 1939*M. rosae*, on rose 1499*Quadraspidiotus perniciosus*, on apple 328*Rhopalosiphum padi*, on wheat 1939

Menazon *contd.*against *contd.**Schizaphis graminum*

on sorghum 5519

on wheat 1939

Taeniothrips simplex 3027*Thrips tabaci* 3027

on tobacco 5651, 7399

Trialeurodes vaporariorum 1694*Tyrophagus putrescentiae*, in stored wheat 5800in *Adonia variegata*, toxicity of 1499in *Apis cerana*, toxicity of 7672in *Apis mellifera*, toxicity of 1043in *Azotobacter chroococcum*, effects on growth of 4568in *Chrysopa carnea*, toxicity of 1499in *Coccinella septempunctata*, toxicity of 1499, 3294, 6967, 7190in *Dicyphus eckerleini*, toxicity of 3294in *Encarsia formosa*, toxicity of 1694in *Episyrphus balteatus*, toxicity of 1499in *Macrolophus rubi*, toxicity of 3294

in montmorillonite, adsorption of 3934

in *Phaseolus*

metabolism of 1682

residues of 1682

in *Rhizobium trifolii*, effects on growth of 4568

in tomato

effects of 5813

metabolism of 1682

residues of 1682

mendax, Lygidea**mendicus, Conorhynchus, (Cleonus)****mendosa, Dasychira****menes, Ceranisus****menetriesii, Atrachya****Menochilus sexmaculatus**

biology of 1296

development in 1903

fecundity in 791

in India 1296, 2294, 4778, 7199

insecticides in, toxicity of 2294

larval development in, effects of prey on 4778

life-span in 1903

preying on

Acyrtosiphon pisum 7199

aphids, in Karnataka 1296

Aphis craccivora 791, 1903, 4778, 7199*A. gossypii* 791, 1903, 4778, 7199*A. umbrellae* 791, 1903*Brevicoryne brassicae* 7199*Lipaphis erysimi* 4778, 7199

in Rajasthan 2294

Oligonychus mangiferus, in Karnataka 1296*Rhopalosiphum maidis* 791, 1903,

4778, 7199

menoni, Uga*Mentha, Loxostege* spp. on, in North

America 7032

Mentha arvensis, Cochlochila bullita on, in

Tamil Nadu 1847

Mentha piperita*Eupteryx atropunctata* on, in Poland 1335*E. collina* on, in Poland 1335*E. origani* on, in Poland 1335*E. stachydearum* on, in Poland 1335*Euxoa ochrogaster* on, in Oregon 2977*Macdunnoughia confusa* on, in Bulgaria 4246*Mentha pulegium, Donus salviae* on, in Italy 1995*Mentha spicata*, insecticidal activity of powdered leaves of 1566**Mentha-1,8-dien-4-ol** (see 3-Cyclohexen-1-ol, 4-methyl-1-(1-methylethenyl)-)**menthastris, Sphaerophoria****Menthone** (see Cyclohexanone, 5-methyl-2-(1-methylethyl)-)**Mepachymerus giganteus indicus**, taxonomy of, characters distinguishing *M. sabroskyi* and 3363**Mepachymerus sabroskyi**

sp. n., description of 3363

in India 3363

preying on, *Chilo infuscatellus*, in Andhra Pradesh 3363**Mephosfolan** (diethyl (4-methyl-1,3-dithiolan-2-ylidene)phosphoramidate) against*Amrasca biguttula*, on cotton 1484*Aphis craccivora*, on *Phaseolus aureus* 859*A. gossypii*, on cotton 1484*Atherigona soccata*, on sorghum 836, 6067*Bemisia tabaci*, on bean 4939*Cnaphalocrocis medinalis*, on rice 716*Copitarsia turbata*, on *Vicia faba* 697*Etiella zinckenella*, on *Phaseolus aureus* 859*Heliothis armigera*, on *Cajanus cajan* 6164*H. virescens*, on chickpea 707*Hydrellia sasakii*, on rice 4866*Liriomyza flaveola*, on *Vicia faba* 697*Maruca testulalis*, on *Cajanus cajan* 6164*Melanagromyza obtusa*, on *Cajanus cajan* 6164*M. virens*, on *Vicia faba* 697*Mocis undata*, on *Phaseolus aureus* 859*Mylokerus undecimpustulatus*, on cotton 1484*Myzus humuli*, on hop 3942-3943*M. persicae* 7613*Ophiomyia phaseoli*, on *Phaseolus aureus* 859

Mephosfolan *contd.*against *contd.**Oreolia oryzae*, on rice 4866

pests of cotton 4358

Plusia chalcites, on *Phaseolus aureus* 859*Plutella xylostella*, on cabbage 1440*Spodoptera eridania*, on *Vicia faba* 697*S. littoralis* 7654*S. litura*, on *Phaseolus aureus* 859

stem borers, on rice 716

Tetranychus urticae, on *Phaseolus aureus* 859

formulations of, with charcoal 3924

in eggplant, effects of 6180

in *Spodoptera littoralis*

effects of formulation on susceptibility to 7653

effects of test method on susceptibility to 7653

sunlight inactivation of 7654

vaporisation of 7654

Meracanthini

defensive behaviour in 2403

defensive secretion in 2403

Meranoplus, in urban mown grassland, in Papua New Guinea 1270**Mercaptodimethur** (see Methiocarb)**mercator**, *Oryzaephilus***Mercurialis annua**, *Amblyseius swirskii* on, feeding on pollen 7217**Mercury**

in coastal biota, residues of 6412

in fish, residues of 7670

in foodstuffs, residues of 5140

in *Ictalurus punctatus*, residues of 6401in *Philohela minor*, residues of 3323

in predators of small mammals, residues of 1060

in small mammals, residues of 1060

in wheat, toxicity of 3316

with γ -BHC, in wheat, toxicity of 3316**Mercury chloride (HgCl₂)**

for sterilising insect rearing containers 6327

in phosphine indicator strips 4544

Mercury, chloro(2-methoxyethyl)-, with DDT, against, pests of stored rice 6874**merdarius**, *Macrocheles***meridionalis**, *Aeolothrips***merkei**, *Neodiprion***merkeri**, *Adelges*, (*Dreyfusia*)**merlanderi**, *Nomia***Mermis**, in, *Antigastra catalaunalis*, in Madhya Pradesh 4971**Mermis albicans**, in, *Lymantria dispar*, in Yugoslavia 2251**Mermis nigrescens**, in, *Pterostichus madidus*, in England 651**Mermithidae**

in

Agevillea abietis, in West Germany 4389

insects 957

Lygus lineolaris, in Quebec 7334*L. rugulipennis*, in Poland 197*Plathypena scabra*, in Iowa 1916

Tipulidae, in UK 7589

Merocoris distinctus, metathoracic glands in, secretion of 3395**Mertilanidea fasciata**

gen. et sp. nov., description of 6031

in Papua New Guinea 6031

on *Vanilla*, in New Guinea 6031**merula**, *Apanteles***Merulus**, in, wood, effects on termites of 4234**Mesalox abathus**

sp. nov., description of 2325

on *Anacardium occidentale* 2325**mesembrinae**, *Pygmephorus***mesembryanthemi**, *Pulvinariella*, (*Pulvinaria*)**Mesochorus**, hyperparasitising, *Lygus rugulipennis*, in Poland 196**Mesochorus agilis**

hyperparasitising

Hypera postica

in Wisconsin 7197

in Wyoming 189

in USA 189, 7197

parasitising

Bathyplectes curculionis

in Wisconsin 7197

in Wyoming 189

mesogona, *Anomis***Mesohomotoma tessmanni**

in Cameroon 1494

on cacao

damage caused by 1494

in Cameroon 1494

resistance to 7400

Mesoleius tenthredinis

in Canada 3833

parasitising

Pristiphora erichsonii

and biological control using, in

Minnesota 3833

defence mechanisms against 3547

Mesopolobus

parasitising

Asphondylia spp., in Gujarat 2062*A. capsici*, in Tamil Nadu 7384**Mesopolobus subfumatus**

in USSR 6832

parasitising, *Tortrix viridana*, in Russian Republic 6832**Mesopolobus szelenyii**

sp. n., description of 1726

in USSR 1726

Mesopolobus zetterstedtii

- in Poland 1888
- parasitising, *Megastigmus pictus*, in Poland 1888

Mesopsis abbreviatus

- food consumption of 116
- in Tanzania 116
- in grassland, in Tanzania 116

Mesosa nebulosa

- biology of 6813
- in Poland 6813
- on *Alnus glutinosa*, in Poland 6813
- on *Quercus robur*
 - damage caused by 6813
 - in Poland 6813

Mespilus germanica (see Medlar)**Messa hortulana**

- biology of 2129
- control of, insecticides for 2129
- in Italy 2129
- in Netherlands 2129
- on *Populus*
 - in Italy 2129
 - in Netherlands 2129
- traps for 2129

Messor aegyptiacus, control of, insecticides for 3532**messoria, Euxoa****Mesta** (see Kenaf and Roselle)**Mesuroil** (see Methiocarb)**Meta-Systox-R** (see Oxydemeton-methyl)**Metaben** (see Benzoic acid, 4-hydroxy-, methyl ester)**Metabolic inhibitors** (see Antimetabolites)**Metacanthus pertenerus**

- in India 6595
- on lucerne, in Rajasthan 6595

metacarpalis, Apanteles**Metacid** (see Methyl-parathion)**Metacolis unifasciatus**

- in USSR 6627
- parasitising, bark beetles, in USSR 6627

Metafos (see Methyl-parathion)**Metagonistylum minense**

- in Guyana 253
- in Venezuela 253
- parasitising

Diatraea centrella

- in Guyana 253
- in Venezuela 253

D. impersonatella, and biological control using, in Guadeloupe 6668*D. saccharalis*, and biological control using, in Guadeloupe 6668**Metaisosystox** (see Methyl-demeton-S)**Metakarbatox** (see Carbaryl, with methoxychlor)**Metalkamate** (mixture of 3-(1-ethylpropyl)phenyl and 3-(1-methylbutyl)phenyl methylcarbamates) adopted as common name in *RAE*, p. 8**Metalkamate** *contd.*

against

- Adrastus* spp., on maize 4262
- Agriotes* spp., on maize 4262
- Atherigona soccata*, on sorghum 836
- Diabrotica virgifera* 2292
- Heliothis armigera*, on *Cajanus cajan* 6164
- Maruca testulalis*, on *Cajanus cajan* 6164
- Melanagromyza obtusa*, on *Cajanus cajan* 6164

in model ecosystem, effects of 523

Metamasius, on sugar-cane, in Dominican Republic 7225**Metamasius hemipterus**

- control of, bait traps for 683
- in Ecuador 683
- on sugar-cane, in Ecuador 683

Metanastria hyrtaca

- biology of 2010
- in India 2010
- on *Anacardium occidentale*, in Kerala 2010

Metaphos (see Methyl-parathion)**Metaphycus**

parasitising

- Ceroplastes rubens*, in Queensland 333
- Coccus aegaeus*, in Greece 6121

Metaphycus flavus

in Greece 6130

in Turkey 1427

parasitising

- Coccus hesperidum*, in Turkey 1427
- C. pseudomagnoliarum*, in Turkey 1427

Saissetia oleae, in Crete 6130**Metaphycus helvolus**

dispersal of 5108

in Greece 6135

parasitising

Coccus hesperidum 5108, 6129*Saissetia oleae*

and biological control using

in Corsica 5108

in Crete 6130

in Greece 5103

in Italy 5106

in Greece 6135

rearing of, techniques for 6129

traps for 5108

Metaphycus kozari

sp. nov., description of 7004

in Hungary 7004

parasitising, *Rhodococcus bulgariensis*, in Hungary 7004**Metaphycus lounsburyi**

in Australia 225

in Greece 6130, 6626

parasitising

Saissetia oleae

in Crete 6130

***Metaphycus lounsburyi* contd.**

parasitising contd.

Saissetia oleae contd.

in Greece 6626

in Queensland 225

Metaphycus punctipes* (see *Aphycus*)**Metaphycus rhodococci***

sp. nov., description of 7004

in USSR 7004

parasitising, *Rhodococcus rosaeluteae*, in

Central Asia 7004

Metaphycus turanicus

sp. nov., description of 7004

in USSR 7004

parasitising, *Eulecanium rugulosum*, in

Kazakhstan 7004

Metaphycus varia* 333**Metarhizium anisopliae***

against

Acanthoscelides obtectus 2225*Atta* spp., on sugar-cane 6670*Diatraea* spp., on sugar-cane 6669*Heliothis zea* 4472*Mahanarva posticata*, on sugar-cane
6669–6670*Oryctes rhinoceros* 2218

conidiospores of, effects of outdoor

storage on 4472

culture media for 2217

culture methods for 6669–6670

fungicides in, effects of 4533

in

Alissonotum impressicollae,

pathogenicity of 255

Atta sexdens, in Brazil 3531*Curculio caryae*

in Arkansas 3824

in Mississippi 3824

Cydia pomonella, in USSR 7483*Diatraea saccharalis*

in Puerto Rico 3137

pathogenicity of 3137

Dorycthenes hydropicus, pathogenicity
of 255*Episomoides albinus*, pathogenicity of
255*Inopus rubriceps*, in Queensland 254*Lachnosterna patrueloides*

in Guadeloupe 474

pathogenicity of, effects of
insecticides and pathogens on
474*L. plaei*

in Guadeloupe 474

pathogenicity of, effects of
insecticides and pathogens on
474*Lacon musculus*, pathogenicity of 255*Leucophlebia lineata*, pathogenicity of
255*Macraspis tristis*, in Guadeloupe 474***Metarhizium anisopliae* contd.**

in contd.

Melanotus tamsuyensis

in Taiwan 255

pathogenicity of 255

Mogannia hebes

in Taiwan 247

pathogenicity of 247, 255

Patanga succincta, pathogenicity of
255*Phytoscapus formosanus*, pathogenicity
of 255*Platynychus formosanus*, pathogenicity
of 255*Plectia nearctica*, in Florida 3132*Plocaederus ferrugineus*, in Tamil Nadu
150*Solenopsis invicta*, in Brazil 3531***Metaseiulus occidentalis***

acaricides in, toxicity of 5576, 6101

azinphos-methyl resistance in, in British
Columbia 7309

biology of 1301

diapause in 88, 627

photoperiodic induction of 623

in Canada 6101, 7309

in USA 88, 627, 1402, 4910, 6730

in apple orchards, in British Columbia
7309in plum orchards, effects of pesticides on
4910

in vineyards

encouragement of 1402

in California 88, 627

insecticide resistance in 6730

insecticides in, toxicity of 6109

oil emulsions in, toxicity of 7309

overwintering in 4910

oviposition in 627

population dynamics of 3470

preying on

Aculus fockeui, in Washington 4910*A. schlehtendali*, in USA 6730*Panonychus ulmi*

in USA 6730

in Washington 4910

Pronematus spp., in California 1402*Tetranychus mcdanieli*

in USA 6730

in Washington 4910

*T. pacificus*and biological control using, in
California 845

in California 1402

T. urticae 1301and biological control using, in
Australia 6109***Metasyrphus confrater***

in India 3544, 6009

preying on

Aphis craccivora, in Gujarat 6009*Eriosoma lanigerum*, in Kashmir 3544

Metasyrphus corollae

- biology of 1877, 4773
- emergence in, effects of JH mimics on 2447
- fecundity in, effects of diet on 1121
- fertility in, effects of JH mimics on 2447
- in Bulgaria 2262
- in Egypt 2765, 4773, 5531
- in USSR 386, 1877
- in cotton fields, in Tadzhikistan 386
- in *Trifolium alexandrinum* fields, in Egypt 5531

- insecticides in, toxicity of 3955
- on *Carum carvi*, as pollinator 2765
- on *Coriandrum sativum*, as pollinator 2765
- on *Pimpinella anisum*, as pollinator 2765
- on *Satureia hortensis*, as pollinator 2765
- parasitised by

Diplazon laetatorius, in Egypt 4773-4774

Syrphophagus spp., in Egypt 4773-4774

preying on

Acyrtosiphon pisum, in Bulgaria 2262

aphids
and biological control using, in UK 798

in Egypt 4773

Aphis gossypii 7207

Capitophorus elaeagni 4773

Myzus persicae 201

Tetranychus urticae 4773

pupal development in, effects on adult colour of temperature changes during 6544

pupal melanisation in, effects of JH mimics on 2447

rearing of

diets for 1121

techniques for 7207

Metasyrphus luniger

emergence in 7105

in Czechoslovakia 7105

in Poland 185

in cabbage fields, in Czechoslovakia 7105

insecticides in, toxicity of 3955

overwintering in 7105

preying on

aphids 7105

in Poland 185

pupal development in, effects on adult colour of temperature changes during 6544

Metasyrphus meadii

in USA 5528

preying on

Acyrtosiphon pisum, in California 5528

Therioaphis trifolii, in California 5528

Metasyrphus nitens

biology of 1877

in USSR 1877

Metasystox (see Methyl-demeton-S

[formerly contained methyl-demeton])

Metasystox (i) (see Methyl-demeton-S)

Metasystox i forte (see Methyl-demeton-S)

Metasystox R (see Oxydemeton-methyl)

Metatetranychus ulmi (see *Panonychus*)

Metathion (see Fenitrothion)

metatibialis, *Cricotopus*

Meteorus confinis

in Hungary 4211

parasitising, *Recurvaria leucatella*, in Hungary 4211

Meteorus hyphantriae

in USA 1916

parasitising, *Plathypena scabra*, in Iowa 1916

Meteorus leventris, pesticides in, toxicity of 5205

Meteorus pulchricornis

in USSR 6002

parasitised by

Brachymeria secundaria, in Ukraine 6002

Eurytoma verticillata, in Ukraine 6002

Gelis areator, in Ukraine 6002

parasitising, *Lymantria dispar*, in Ukraine 6002

Meteorus trachynotus

in USA 5437

parasitising, *Choristoneura fumiferana*, in Maine 5437

Meteorus versicolor

in USSR 6103

parasitising, *Euproctis similis*, in Georgia (USSR) 6103

Metepa (1,1',1"-phosphinylidynetris[2-methylaziridine])

in *Agrotis ipsilon*, effects of 4687

in *Aphis fabae*, effects on reproductive capacity of 5321

in *Corcyra cephalonica*, toxicity of 6861

in *Dysdercus cingulatus*

effects of 5894

effects on life-span of 4091

toxicity of 5894

in *Dysdercus koenigii*, effects on development of 3239

in *Earias insulana*, effects of 3438

in *Papilio protenor*, effects of 1794

in *Papilio xuthus*, effects of 1794

in *Trogoderma granarium*

effects on life-span of 4689

effects on spermatogenesis of 610

sterilant for

Agrotis ipsilon 4687

Aphis fabae 5320

Callosobruchus chinensis 3436

Laodelphax striatella 3436

Nephotettix cincticeps 3436

Metepa contd.sterilant for *contd.*

- Pyrausta machaeralis* 4087
Rhynchophorus ferrugineus 3233
Trogoderma granarium 1156, 5051

Methamidophos (O,S-dimethyl

phosphoramidothioate)

acaricidal activity of 1607

against

- Agrotis ipsilon*, on lettuce 4923
Aphanostigma piri, on pear 2018
 aphids, on celery 4558
Aphis gossypii, on cotton 3707
Bemisia tabaci, on bean 4939
 bollworms, on cotton 7391
Bucculatrix thurberiella, on cotton 2988
Chilo spp., on maize 1612
 Cicadellidae, on cotton 7391
Elasmopalpus lignosellus, on maize 706
Empoasca fabae, on *Phaseolus vulgaris* 2927
E. lybica, on cotton 3707
Feltia subterranea, on lettuce 4923
Floracarus cyphomandrae, on *Cyphomandra betacea* 4323
Heliothis spp., on *Physalis ixocarpa* 1475
H. virescens, on chickpea 695, 707
Hylobius pales 1664
 on *Pinus taeda* 3901
Leptinotarsa decemlineata, on potato 374
Liriomyza congesta, on *Vicia faba* 2925
L. trifolii
 on celery 4922–4923
 on lettuce 4923
Lygus lineolaris, on apple 4314
Mamestra brassicae, on sugar-beet 4960
M. configurata 2914
Mayetiola rigidae, on *Salix* 3026
Myzus humuli, on hop 3942
M. persicae 7576
 on *Capsicum annuum* 3695
 on tobacco 397
Ophiomyia phaseoli, on *Phaseolus vulgaris* 729
Oscinella frit, on maize 1612
Ostrinia nubilalis, on maize 1612
Palpita nitidalis, on cucumber 357
 pests of cotton 2092, 4358
 pests of fruit trees 1629
 pests of grapevine 1629
 pests of hop 1629
Phthorimaea operculella, on potato 7379
Pieris rapae, on cabbage 1441
Plutella xylostella, on cabbage 1441, 4329

Methamidophos contd.against *contd.*

- Sesamia* spp., on maize 1612
Spodoptera exigua, on celery 4923
Symmetrischema spp., on *Physalis ixocarpa* 1475
Tetranychus urticae 514, 1670
 thrips, on tea 4991
Thrips tabaci 3027
Trichoplusia ni
 on cabbage 1441
 on lettuce 4558
 biological activity of 2657
 in bean fields, non-target effects of 4939
 in *Coccinella septempunctata*, toxicity of 3294
 in *Dicyphus eckerleini*, toxicity of 3294
 in *Macrolophus rubi*, toxicity of 3294
 in maize, toxicity of 706
 in soil, degradation of 5783
 in tomato, metabolism of 5783
 insecticidal activity of 1607
 insecticidal activity of N-substituted derivatives of 1008
 resistance to, in, *Spodoptera littoralis*, in Turkey 7566
 with DDT, against, *Heliothis armigera*, on cotton 2558

Methane, bromo-

against

- Acanthoscelides obtectus* 1046
 in stored seeds 453
Caryedon serratus, in stored groundnuts 6282
Cryptolestes ferrugineus, in stored wheat 5061
Cydia pomonella, in stored cherries 3107
Ephestia cautella 1681, 5058, 6959
E. clutella 6959
E. kuehniella 1046, 6959
Gastrallus indicus, in books 5068
Leptinotarsa decemlineata, on potatoes 5916
Microcerotermes diversus, on palm 7287
Oryzaephilus mercator 3197
 pests of stored groundnuts 6234
 pests of stored maize 447
Plodia interpunctella 2166, 6959
Pseudococcus comstocki, on fresh pomegranates 5753
Quadraspidiotus perniciosus 5552
 in stored apples 500
Sitophilus granarius 933, 1046, 5799
S. oryzae 1046
Stenotarsonemus laticeps, on narcissus 7407
Tribolium castaneum 6923
T. confusum 933, 1046
Trogoderma granarium 933, 1046, 1681, 5058

Methane, bromo- contd.

fumigant for

books 5068

flour, and resulting residues 450

ships' holds 933

stored *Elettaria cardamomum* 3571

stored seeds 453

stored wheat 5061

in *Acarus siro*, effects on embryonic

development of 516

in *Bacillus thuringiensis*, not toxic 4435

in cacao beans, residues of 5780

in *Corcyra cephalonica*, effects of diet on
susceptibility to 1668in cottonseed, effects on germination of
3797

in foodstuffs, residues of 2314

in insects, metabolism of 3270

in mammals, metabolism of 3270

in *Plodia interpunctella*, inactivating
granulosis virus 4435

in seeds, effects on germination of 1046

in *Sitophilus granarius*, effects of
temperature on susceptibility to 3094in stored maize, effects on germination of
3797

in stored products, residues of 6272

in stored wheat, effects on germination of
3797in *Tenebroides mauritanicus*, effects of
temperature on susceptibility to 3094in *Trogoderma variabile*effects of exposure period on
susceptibility to 442effects of temperature on susceptibility
to 442

resistance to, in

Oryzaephilus spp., testing for 2543*Rhyzopertha dominica*, testing for
2543*Sitophilus* spp., testing for 2543*Tribolium* spp., testing for 2543

standards for use of 6926

use of, precautions in 5176

with trichloronitromethane
against*Acanthoscelides obtectus* 1046*Ephestia kuehniella* 1046*Sitophilus granarius* 1046*S. oryzae* 1046*Tribolium confusum* 1046*Trogoderma granarium* 1046in seeds, effects on germination of
1046**Methane, dichloro-**, for extracting sex
pheromone from *Dendrolimus spectabilis*
605**Methane, dichlorodifluoro-**, with oxirane,
against, *Lasioderma serricorne*, in stored
tobacco 6308**Methane, tetrachloro-**

against

Leiodinychus krameri 5055*Oryzaephilus mercator* 3197

pests of stored products 6234

Tribolium castaneum 6923

mirex thermoproduct 4540

with carbon disulfide

against, *Plodia interpunctella* 1029in *Bacillus thuringiensis*, not toxic
4435in *Plodia interpunctella*, not affecting
granulosis virus 4435

with 1,2-dibromoethane

against

Oryzaephilus mercator 3197

pests of stored maize 6232

with 1,2-dibromoethane, and 1,2-
dichloroethane

in stored wheat, residues of 1053

in wheat products, residues of 1053

with 1,2-dichloroethane

against

Ephestia cautella 1681, 5058*Leiodinychus krameri* 5055*Plodia interpunctella* 1029*Tribolium castaneum* 6923*Trogoderma granarium* 1681, 5058in *Bacillus thuringiensis*, not toxic
4435in *Plodia interpunctella*, not affecting
granulosis virus 4435

use of, precautions in 5176

Methane, trichloronitro-against, *Plodia interpunctella* 1029

with bromomethane

against

Acanthoscelides obtectus 1046*Ephestia kuehniella* 1046*Sitophilus granarius* 1046*S. oryzae* 1046*Tribolium confusum* 1046*Trogoderma granarium* 1046in seeds, effects on germination of
1046**Methanesulfenamide, 1,1-dichloro-*N*-**[(dimethylamino)sulfonyl]-1-fluoro-*N*-(4-
methylphenyl)- (see Tolyfluanid)**Methanesulfenamide, 1,1-dichloro-*N*-**[(dimethylamino)sulfonyl]-1-fluoro-*N*-
phenyl- (see Dichlofluanid)**Methanimidamide, *N*-(4-chloro-2-**methylphenyl)-, in rat, chlordimeform
metabolite 6408**Methanimidamide, *N*'-(4-chloro-2-**
methylphenyl)-*N,N*-dimethyl- (see
Chlordimeform)**Methanimidamide, *N*-(4-chloro-2-**
methylphenyl)-*N*'methyl-in *Chilo suppressalis*, chlordimeform
metabolite 5801

in man, chlordimeform metabolite 3909

- Methanimidamide, *N*-(4-chloro-2-methylphenyl)-*N'*-methyl-** *contd.*
in rat
chlordimeform metabolite 5801
metabolism of 6408
- Methanimidamide, *N,N*-dimethyl-*N'*-[3-[(methylamino)carbonyl]oxy]phenyl]-** (see Formetanate)
- Methanimidamide, *N,N*-dimethyl-*N'*-[2-methyl-4-[(methylamino)carbonyl]oxy]phenyl]-** (see Formparanate)
- Methanimidamide, *N'*-(2,4-dimethylphenyl)-*N*[[2-(2,4-dimethylphenyl)imino]methyl]-*N*-methyl-** (see Amitraz)
- 6,9-Methano-2,4,3-benzodioxathiepin, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-**
3,3-dioxide
in aquatic organisms, toxicity of 2643
in potato, endosulfan product 1062
in soil, endosulfan product 1062
3-oxide (see Endosulfan)
- 4,7-Methano-1*H*-indene-1,3-dicarboxylic acid, 4,5,6,7,8,8-hexachloro-2,3,3a,4,7,7a-hexahydro-**
in soil
aldrin metabolite 5778
dieldrin metabolite 5778
in maize, aldrin product 1703
in soil, aldrin product 1703
in wheat, aldrin product 1703
- 4,7-Methano-1*H*-indene, 2,4,5,6,7,8,8-heptachloro-2,3,3a,4,7,7a-hexahydro-**, against, *Leptinotarsa decemlineata*, on potato 5629, 6784
- 4,7-Methano-1*H*-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-** (see Heptachlor)
- 4,7-Methano-1*H*-indene, 4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-**, in food chains, fate of 4537
- 4,7-Methano-1*H*-indene, 1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-**, against, *Atta opaciceps* 4768
- 4,7-Methano-1*H*-indene, 1,2,4,5,6,7,8,8-octachloro-2,3,3a,4,7,7a-hexahydro-** (see Chlordane)
- 4,7-Methano-1*H*-inden-1-ol, 4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-**
chlordene metabolite 4537
in soil, heptachlor product 4574
- 2,5-Methano-2*H*-indeno[1,2-*b*]oxirene, 2,3,4,5,6,7,7-heptachloro-1a,1b,5,5a,6,6a-hexahydro-** (see Heptachlor epoxide)
- 2,5-Methano-2*H*-indeno[1,2-*b*]oxirene, 1a,2,3,4,5,6a,7,7-octachloro-1a,1b,5,5a,6,6a-hexahydro-**
in rat, chlordan metabolite 3907
in *Sturnus vulgaris*, residues of 6402
- 4,7-Methanoisobenzofuran-1-ol, 4,5,6,7,8,8-hexachloro-1,3,3a,4,7,7a-hexahydro-**, in aquatic organisms, toxicity of 2643
- 4,7-Methanoisobenzofuran-1(3*H*)-one, 4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-**, in aquatic organisms, toxicity of 2643
- 4,7-Methanoisobenzofuran, 4,5,6,7,8,8-hexachloro-1,3,3a,4,7,7a-hexahydro-**, in aquatic organisms, toxicity of 2643
- 4,7-Methanoisobenzofuran, 1,3,4,5,6,7,8,8-octachloro-1,3,3a,4,7,7a-hexahydro-** (see Isobenzan)
- 4,7-Methano-1*H*-isindole-1,3(2*H*)-dione, 2-(2-ethylhexyl)-3a,4,7,7a-tetrahydro-**, synergist for, pyrethrins 3083
- 3,6-Methanonaphth[2,3-*b*]oxirene, 3,4,5,6,8,8-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-**
in *Calliphora vicina*, inhibitors of epoxide hydratase of 6983
in *Tenebrio molitor*, inhibitors of epoxide hydratase of 6983
- Methanone, (2,4-dichlorophenyl)phenyl-**, photoproduct of Banomite hydrolysis product 5170
- Methanone, phenyl(2,4,6-trichlorophenyl)-**, photoproduct of Banomite hydrolysis product 5170
- Methenamine (1,3,5,7-tetraazatricyclo[3.3.1.1^{3,7}]decane)**
as deactivator for mineral carriers in endrin formulations 3896
- Methenamine mandelate (α -hydroxybenzeneacetic acid compound with 1,3,5,7-tetraazatricyclo[3.3.1.1^{3,7}]decane (1:1))**
against, *Serratia marcescens* 3128
- 1,3,4-Metheno-2*H*-cyclobuta[*cd*]pentalene-2,2-diol, 1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-**, mirex photoproduct 1013
- 1,3,4-Metheno-1*H*-cyclobuta[*cd*]pentalene-2-pentanoic acid, 1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-2-hydroxy- γ -oxo-**, ethyl ester (see Kelevan)
- 1,3,4-Metheno-1*H*-cyclobuta[*cd*]pentalene, 1,1a,2,3,3a,4,5,5a,5b,6-decachlorooctahydro-**, mirex photoproduct 1650
- 1,3,4-Metheno-1*H*-cyclobuta[*cd*]pentalene, 1,1a,2,2,3,3a,4,5,5a,5b,6-dodecachlorooctahydro-** (see Mirex)
- 1,3,4-Metheno-1*H*-cyclobuta[*cd*]pentalene, 1,1a,2,2,3,3a,4,5,5a,5b,6-undecachlorooctahydro-**, mirex photoproduct 1650
- 1,3,4-Metheno-1*H*-cyclobuta[*cd*]pentalene, 1,1a,2,2,3,3a,4,5,5a,5b,6-undecachlorooctahydro-**, mirex photoproduct 1013
- 1,3,4-Metheno-2*H*-cyclobuta[*cd*]pentalene-2-one, 1,1a,3,3a,4,5,5a,5b,6-decachlorooctahydro-** (see Chlordecone)

1,3,4-Metheno-2-*H*-cyclobuta[*cd*]pentalen-2-one, 1a,3,3a,4,5,5a,5b,6-nonachlorooctahydro-, mirex photoproduct 1013

2,4,7-Metheno-1-*H*-cyclopenta[*a*]pentalene-5,6-diol, 1,1,2,3,3a,7a-hexachlorodecahydro-, in soil, photodieldrin product 5821

2,4,7-Metheno-1-*H*-cyclopenta[*a*]pentalene, 1,1,2,3,3a,7a-hexachloro-2,3,3a,3b,4,6a,7,7a-octahydro-, (2 α ,3 α ,3a α ,4 β ,6a α ,7 β ,7a α)-, in wheat soil, aldrin product 1703

2,4,6-Metheno-2-*H*-cyclopenta[4,5]pentaleno[1,2-*b*]oxirene, 2a,3,3,4,5,5a-hexachlorodecahydro-
in maize, aldrin product 1703
in mouse, metabolism of 3298
in *Musca domestica*, metabolism of 3298
in rabbit, metabolism of 4534
in rat, metabolism of 3298
in soil
aldrin product 1703
products of 5821
in wheat, aldrin product 1703

Methi (see Fenugreek)

Methidathion (S[(5-methoxy-2-oxo-1,3,4-thiadiazol-3(2*H*)-yl)methyl] *O,O*-dimethyl phosphorodithioate)
against
Aleurothrixus floccosus, on *Citrus* 6124
Aonidiella aurantii, on *Citrus* 333
Aphis gossypii, on cotton 4361
Ardis brunniventris, on *Rosa rugosa* 2655
Caliothrips fasciatus, on cotton 4361
Camnula pellucida 1251
Ceroplastes rubens, on *Citrus* 333
Chrysomphalus aonidum, on *Citrus* 333
Coccus pseudomagnoliarum, on orange 4328
C. viridis, on coffee 403, 6800
Conotrachelus nenuphar, on apple 7312
Cydia pomonella, on apple 6110
Eurygaster integriceps, on wheat 7663
Gascardia destructor, on *Citrus* 333
Heliothis spp., on *Physalis ixocarpa* 1475
Homoeosoma electellum, on sunflower 2986
Leptinotarsa decemlineata 3205
Lobesia botrana, on grapevine 5548
Lygus lineolaris, on apple 4314
Macrosiphum avenae, on oats 2256
Melanoplus sanguinipes 1251
Myzus humuli, on hop 226, 3942, 3944
M. persicae 1670
Oulema melanopus, on oats 2256

Methidathion *contd.*against *contd.*

Panaphis juglandis, on walnut 1413
Parlatoria oleae, on olive 5587
Penthaleus major, on oats 2784
pests of cotton 2092
pests of lucerne 2842
pests of orange 6139
pests of plum 1640
Pristiphora abietina, on *Picea abies* 1525
Psylla pyri, on pear 7546
P. pyricola, on pear 4316
Quadraspidiotus perniciosus 7305
on plum 1640
Saissetia oleae
on olive 5587
on orange 2897
Symmetrischema spp., on *Physalis ixocarpa* 1475
Tetranychus spp., on cotton 4361
T. urticae, on hop 1337
Thymelicus lineola 7658
Trioxa erytrae, on orange 340
in *Apanteles glomeratus*, toxicity of 6965
in apple
residues of 6110
toxicity of 7312
in *Bathyplectes curculionis*, toxicity of 4883
in hay, residues of 7663
in orange groves, non-target effects of 2897
in wheat, residues of 7663
photodecomposition of 1014
resistance to, in, *Aonidiella aurantii*, in South Africa 6138
with oil emulsion
against
Coccus pseudomagnoliarum, on orange 4328
Parlatoria oleae, on olive 5587
pests of plum 1640
Quadraspidiotus perniciosus, on plum 1640

Methiocarb (3,5-dimethyl-4-(methylthio)phenyl methylcarbamate)
against
Atomaria linearis, on sugar-beet 2952, 3945
Blaniulus guttulatus, on sugar-beet 3945
Brachydesmus superus, on sugar-beet 3945
Conotrachelus nenuphar, on apple 7312
Curculio nucum, on hazel 6714
Delia spp., on *Phaseolus vulgaris* 5604
Myzus persicae, on *Gerbera jamesonii* 1501
Oscinella frit, on maize 3583
Palomena prasina, on hazel 6714

Methiocarb *contd.*against *contd.*

pests of sugar-beet 1605

Tetranychus urticae, on *Gerbera jamesonii* 1501

determination of 1209

in *Gerbera jamesonii*, toxicity of 1501in *Phasianus colchicus*, esterase inhibition by 6405

in pigeon, esterase inhibition by 6405

resistance to, in, *Curculio nucum*, in

Turkey 7565

trifluoroacetylation of 6947

with captan, against, *Sitona lineatus*, on pea 363with thiram, against, *Hylemya* spp., on cabbage 1615**Methiocarb phenol** (see Phenol, 3,5-dimethyl-4-(methylthio)-)**Methiocarb sulfone** (see Phenol, 3,5-dimethyl-4-(methylsulfonyl)-, methylcarbamate)**Methiocarb sulfoxide** (see Phenol, 3,5-dimethyl-4-(methylsulfinyl)-, methylcarbamate)**D-Methionine**in *Argyrotaenia velutinana*, nutritional value of 1756in *Heliothis zea*, nutritional value of 1756in *Phormia regina*, nutritional value of 1756**L-Methionine**

in cotton 2088

in *Dichocrocis punctiferalis* 4076in *Dysdercus cingulatus* hemolymph 1782in *Dysdercus similis* diet, requirement for 7069in *Hyalophora cecropia*, incorporation into JH of 2443in *Laodelphax striatella* diet, requirement for 5876in *Marasmia trapezalis* 4076in *Oryzaephilus mercator* diet, as replacement for choline 4644in *Oryzaephilus surinamensis* 4680in *Periplaneta americana*, incorporation into JH of 3394, 5884in *Phryxe caudata* larvae 6463in *Schistocerca americana*, incorporation into JH of 1136, 3394in *Schistocerca gregaria*, incorporation into JH of 5884

in wheat, effects of insecticides on 274

Spodoptera littoralis feeding response to 2088**Methiotepa** (1,1',1"-phosphinothioylidynetris[2-methylaziridine])in *Earias insulana*

effects of 79

effects on amino acids of 2467

Methiotepa *contd.*sterilant for, *Earias insulana* 79**Methomyl** (methyl N

[(methylamino)carbonyl]oxy]ethanimidothioate)

against

Acyrtosiphon pisum 3915*Agrotis ipsilon*, on cabbage 728*Aphis craccivora*, on *Vicia faba* 3661*A. gossypii*, on cotton 2995*Bucculatrix thurberiella*, on cotton 2988*Calisto pulchella*, on sugar-cane 7224*Cerataphis variabilis*, on coconut 2844*Chilo suppressalis* 1657

on rice 2803

Coccus viridis, on coffee 6800*Cryptophlebia leucotreta*, on peach 5939*Curculio nucum*, on hazel 6714*Elasmopalpus lignosellus*, on maize 706*Heliothis* spp., on *Physalis ixocarpa* 1475*H. subflexa*, on *Physalis* 783*H. virescens*

on chickpea 707

on cotton 2990, 4374

on *Physalis* 783*H. zea*

on cotton 2990, 4374

on groundnut 2923

on maize 4843, 5498

on soy bean 2923

Homoeosoma electellum, on sunflower 2986*Hyllobius pales* 1664*Hypera brunneipennis*, on lucerne 4293*Hyperodes bonariensis*, on *Lolium* 3186*Keiferia lycopersicella*, on tomato 882*Leucinodes orbonalis*, on eggplant 5634*Mamestra configurata* 2914*Mythimna unipuncta*, on maize 2793*Myzus humuli* 7613

on hop 226, 3155, 3942

*M. persicae*on *Capsicum annuum* 3695

on tobacco 397

Neodiprion tsugae 520*Nephotettix cincticeps* 1657

on rice 2803, 2806

Oiketicus kirbyi, on banana 7329*Ophiomyia phaseoli*, on *Phaseolus vulgaris* 729*Palomena prasina*, on hazel 6714*Palpita nitidalis*, on cucumber 357*Pemphigus bursarius* 2912*Pieris rapae*, on cabbage 6965*Plusia argentifera* 6957

Methomyl contd.

against contd.

- Prionus imbricornis*, on pecan 7294
Spodoptera exigua 3904
S. frugiperda, on maize 4843, 5498
S. littoralis 7654
 on tomato 3666
 on *Vigna unguiculata* 3666
S. litura
 on *Colocasia* 1473
 on tobacco 2099
Symmetrischema spp., on *Physalis*
ixocarpa 1475
Thymelicus lineola 7658
Tirathaba mundella, on oil palm 1991
Trialeurodes vaporariorum, on
Phaseolus 3937
 determination of 123
 formulations of 2995
 in *Amblyseius longispinosus*, toxicity of
 6417
 in *Apanteles glomeratus*, toxicity of 6965
 in *Apanteles plutellae*, toxicity of 3651
 in *Chrysopa*, toxicity of 3915
 in *Coccinella septempunctata*, toxicity of
 3294
 in *Conocephalus maculatus*, toxicity of
 1657
 in cured meat, not converted to
 nitrosomethomyl 4536
 in *Dicyphus eckerleini*, toxicity of 3294
 in *Folsomia candida*, toxicity of 3304
 in *Geocoris*, effects on development and
 fecundity of 366
 in *Hippodamia convergens*, toxicity of
 3915
 in *Hypogastrura armata*, toxicity of 3304
 in *Lycosa pseudoannulata*, toxicity of
 1657
 in *Macrolophus rubi*, toxicity of 3294
 in maize, toxicity of 706
 in *Manduca sexta*, effects on hemolymph
 of 7088
 in *Nabis*, toxicity of 3915
 in *Nomuraea rileyi*, not inhibiting growth
 3823
 in *Onychiurus folsomi*, toxicity of 3304
 in *Orius*, toxicity of 3915
 in soy-bean fields, non-target effects of
 4949
 in *Spodoptera littoralis*, effects of food-
 plant on susceptibility to 1024
 in *Stenolophus comma*, toxicity of 1054
 in *Stethorus loi*, toxicity of 6417
 in tobacco, determination of 4563
 in *Trichogramma*, toxicity of 783
 sunlight inactivation of 7654
 vaporisation of 7654
 with chlordimeform
 against
Heliothis virescens 6399
H. zea, on maize 4843, 5498

Methomyl contd.

with chlordimeform contd.

against contd.

- Spodoptera frugiperda*, on maize
 4843, 5498
 with diazinon, against, *Keiferia*
lycopersicella, on tomato 882
 with methyl-parathion
 against
Heliothis spp., on cotton 4374
Spodoptera exigua 3904
 with oxamyl
 against
Agrotis.ipsilon, on lettuce 4923
Feltia subterranea, on lettuce 4923
Liriomyza trifolii
 on celery 4923
 on lettuce 4923
Spodoptera exigua, on celery 4923
 with parathion, against, *Keiferia*
lycopersicella, on tomato 882
 with toxaphene
 against
Heliothis zea, on maize 4843, 5498
Spodoptera frugiperda, on maize
 4843, 5498
Methomyl, nitroso- (see Ethanimidothioic
 acid, N-[(methylnitrosoamino)carbonyl]-
 oxy]-, methyl ester)
Methoprene (1-methylethyl (2*EA*)-11-
 methoxy-3,7,11-trimethyl-2,4-
 dodecadienoate)
 adopted as common name in *RAE*, p. 8
 against
Acyrtosiphon pisum 6937
Aedes aegypti 6937
Blattella germanica 7590
Dendroctonus pseudotsugae, on
Pseudotsuga 6961
Galleria mellonella 6937
Heliothis virescens 6937
Lambdina fiscellaria, on *Abies balsamea*
 5656
Malacosoma disstria, on *Populus* 6960
Monomorium pharaonis 7590
Musca domestica 6937-6938
Oryzaephilus surinamensis, in stored
 wheat 7464
 pests of stored maize 5053
 pests of stored wheat 5053
Pissodes strobi 1065
Saissetia coffeae, on *Aphelandra*
squarrosa 3729
Sitophilus granarius, in stored wheat
 7464
Tenebrio molitor 6937
 in *Aonidiella aurantii*, effects on
 development of 2894
 in *Choristoneura fumiferana*, effects on
 embryonic respiration of 3341
 in *Dacus oleae*, effect on development of
 4669

Methoprene *contd.*

- in *Dacus tryoni*, not causing sterility 6519
- in *Dasineura laticis*, effects on emergence of 1774
- in *Diatraea grandiosella*, effects on diapause of 596, 5881
- in *Earias insulana*, effects on development of 4067
- in *Ephestia cautella*, effects of 2317
- in *Ephestia kuehniella*, effects of 2317
- in forests, not affecting vertebrates 5656
- in *Locusta migratoria*, effects of 166
- in lucerne, metabolism of 1702
- in *Metasyrphus corollae*, effects of 2447
- in *Oncopeltus fasciatus* effects of 5941
- metabolism of 1128, 5941
- in *Reticulitermes flaviceps*, effects on soldier differentiation of 806
- in rice, metabolism of 1702
- in *Saissetia coffeae*, effects on parasites of 3729
- in *Tenebrio molitor* effects of 5941
- metabolism of 1128, 5941
- in *Thermobia domestica*, effects on reproductive organs of 3265
- in *Tribolium castaneum*, effects of 6275
- in wheat grain, metabolism of 6936
- synergists for
- piperonyl butoxide as 5941
- tris(2-methylphenyl) phosphate as 5941

Methoquin-butyl (butyl 3-methyl-4-quinolinecarboxylate)

adopted as common name in *RAE*, p. 8

Methoxychlor (1,1'-(2,2,2-trichloroethylidene)bis[4-methoxybenzene])

adopted as common name in *RAE*, p. 8

against

Ceutorhynchus sulcicollis

on rape 6764

on turnip rape 6764

Contarinia tritici, on wheat 822

Hypera brunneipennis, on lucerne 4293

Leptinotarsa decemlineata 3286

pests of cotton 2249

pests of stored grain 6274

pests of stored products 6246

Scolytus multistriatus 4734

S. scolytus, on *Ulmus* 4423

Sitodiplosis mosellana, on wheat 822

Sitophilus oryzae 700

in stored maize 446

Thrips imaginis, on apple 4312

in *Anthracorhis nemorum*, toxicity of 5436

in apple, effects of 4312

in baby food, determination of 3296-3297

Methoxychlor *contd.*

- in *Bathypsectes curculionis*, toxicity of 4883
 - in bees, repellent effects of 4312
 - in grain fields, effects on Carabidae of 6040
 - in *Leptinotarsa decemlineata*, effects of temperature on susceptibility to 3286
 - in *Nomuraea rileyi*, not inhibiting growth 3823
 - in rat, effects on reproduction of 530
 - in sheep, effect of 2310
 - resistance to, in
 - Leptinotarsa decemlineata* 4969
 - in Poland 3205
 - with acephate, against, *Keiferia lycopersicella*, on tomato 882
 - with γ -BHC, and carbaryl, against, *Leptinotarsa decemlineata* 3286
 - with γ -BHC, and DDT
 - against, *Leptinotarsa decemlineata*, on potato 372, 3311, 4969
 - resistance to, in, *Leptinotarsa decemlineata*, in Poland 4968
 - with carbaryl
 - against
 - Keiferia lycopersicella*, on tomato 882
 - Leptinotarsa decemlineata* 3286
 - on potato 373, 2961
 - with propoxur
 - against
 - Leptinotarsa decemlineata* 3286
 - on potato 373, 2961
- Methyl-carbophenothion** (S-[[[4-chlorophenyl]thio]methyl] *O,O*-dimethyl phosphorodithioate)
- against, *Hyllobius pales* 1664
- Methyl-demeton** (methyl-demeton-O plus methyl-demeton-S)
- against
- Amrasca devastans*, on okra 854
- Aphanostigma iaksuiense*, on pear 2017
- aphids, on sugar-beet 7367
- Aphis gossypii*
- on cotton 4361
- on okra 854
- Atherigona soccata*, on sorghum 837
- Caliothrips fasciatus*, on cotton 4361
- Coccus viridis*, on coffee 2106
- Contarinia pisi*, on pea 7528
- Crocidolomia binotalis* 6147
- Diaphorina citri*, on orange 341
- Enneothrips flavens*, on groundnut 368
- Eriophyes similis*, on plum 6737
- Macrosiphum rosae*, on rose 3024
- Monosteira unicastata*, on almond 1406
- Myzus humuli*, on hop 226
- Nilaparvata lugens*, on rice 1964
- pests of crucifers 7528

Methyl-demeton contd.against *contd.*

pests of fruit trees 1629

pests of grapevine 1629

pests of hop 1629

pests of sugar-beet 7528

Tetranychidae, on cotton 6182*Tetranychus* spp., on cotton 4361*Tribolium castaneum* 1037in *Anthocoris nemorum*, toxicity of 5436in *Apis mellifera*, toxicity of 1043

in Chinese cabbage, pollen sterility caused by 7337

in *Phaseolus vulgaris*, effects of 6404in *Stethorus*, toxicity of 7185

with carbaryl

against

Heliothis armigera, on cotton 6182*Tetranychidae*, on cotton 6182with sulfur, against, *Tetranychus cucurbitacearum*, on watermelon 1445**Methyl-demeton-O** (*O*[2-(ethylthio)ethyl]*O,O*-dimethyl phosphorothioate)against, *Rhynchophorus ferrugineus* 6089

with methyl-demeton-S (see Methyl-demeton)

Methyl-demeton-S (*S*[2-(ethylthio)ethyl]*O,O*-dimethyl phosphorothioate)

against

Acyrtosiphon dirhodum, on grain crops 1339

aphids, on sugar-beet 370, 3299

Aphis fabae

on sugar-beet 3311

on *Vicia faba* 5600*Cavariella aegopodii*, on carrot 876*Curculio nucum*, on hazel 1405*Macrosiphum avenae*, on grain crops 1339*Parthenolecanium corni*, on red currant 5546*Phthorimaea operculella*, on potato 3685*Psylla mali*, on apple 7508*Quadraspidiotus perniciosus*, on apple 328*Rhopalosiphum insertum*, on apple 7508*R. padi*, on grain crops 1339*Trialeurodes vaporariorum* 1694*Xyleborus dispar* 1415*X. saxeseni* 1415

in apple orchards, effects on mites of 2011

in *Encarsia formosa*, toxicity of 1694

in honey, residues of 524

in nectar, residues of 524

in sugar-beet fields

effects on flying insects of 6165

effects on Hymenoptera of 3299

Methyl-demeton-S contd.in sugar-beet fields *contd.*

non-target effects of 370-371

resistance to, in

Myzus persicae

in England 5191

in UK 7575-7576

with azinphos-methyl

against

Psylla mali, on apple 5569*Rhopalosiphum insertum*, on apple 5569, 7526

with methyl-demeton-O (see Methyl-demeton)

Methyl eugenol (1,2-dimethoxy-4-(2-propenyl)benzene)adopted as common name in *RAE*, p. 8

attractant for

Chrysopa spp. 4174*Dacus* spp. 3344*D. caccuminatus* 3926*D. cucurbitae* 4174*D. dorsalis* 2411, 4174, 4508*D. umbrosus* 4174*D. zonatus* 3227

extenders for, Thixcin E as 4508

in fish, toxicity of 5197

in rabbit, toxicity of 5197

in rat, toxicity of 5197

in *Zieria smithii* 3926**S-Methyl fenitrothion** (see Phosphorothioic acid, *O,S*-dimethyl *O*-(3-methyl-4-nitrophenyl) ester)**Methyl-mercaptophos** (see Methyl-demeton)**Methyl paraben** (see Benzoic acid, 4-hydroxy-, methyl ester)**Methyl-paraoxon** (see Phosphoric acid, dimethyl 4-nitrophenyl ester)**Methyl-parathion** (*O,O*-dimethyl *O*-(4-nitrophenyl) phosphorothioate)

against

Acanthoscelides obtectus, in stored seeds 453*Acyrtosiphon pisum*, on pea 6774*Aelia acuminata*, on grasses 6701*Agriotes* spp. 152*Agrotis segetum* 3894*Amaurosoma armillatum*, on *Phleum pratense* 297*A. flavipes*, on *Phleum pratense* 297*Anthonomus grandis* 519, 2990

on cotton 2989, 3710

aphids

on apple 325

on sugar-beet 370, 3299

on tobacco 7399

Aphis fabae, on sugar-beet 3311*A. gossypii* 4934*Bagrada hilaris*, on cabbage 2047*Bemisia tabaci*, on tomato 7478*Brevicoryne brassicae*, on cabbage 7340

Methyl-parathion contd.

against contd.

- Cnaphalocrocis medinalis* 3290–3291
Cnephiasia pasiuana 271
Coccus viridis, on coffee 403
Conotrachelus psidii, on guava 345
Curculio sayi 4896
Cydia molesta, on peach 2022
C. nigricana 1676
 on pea 362, 5605
C. pomonella, on apple 324
Diatraea grandiosella, on maize 703
Eulecanium bituberculatum, on apple 5570
Eupoecilia ambiguella, on grapevine 1999
Eupterote canaraica, on coffee 3019
Eurygaster integriceps
 on grain crops 1347
 on wheat 1939, 5752
 Geometridae, on forest trees 3738
Hadena sordida 1346
Haplodiplosis marginata, on wheat 1942
Haplothrips tritici, on wheat 7237
Heliothis spp., on cotton 2989, 4374
H. armigera 3701
H. virescens 2990, 4548, 6934
H. zea 2990, 4548
 on maize 703
Homoeosoma electellum, on sunflower 2986
Hypera brunneipennis, on lucerne 4293
Hyphantria cunea 5980
Lepidosaphes ulmi, on apple 6721
Leptinotarsa decemlineata, on potato 6784
Leptopterna dolabrata, on grasses 6701
Leucoptera scitella, on apple 324
Lipaphis erysimi
 on cabbage 2047
 on mustard 4545
Lobesia botrana, on grapevine 315, 6094
Lyonetia clerkella, on apple 324
Macrosiphum avenae, on wheat 1939, 5752, 6677
Mamestra brassicae, on sugar-beet 4960
 Noctuidae 152
Oulema melanopus 272
 on wheat 1941
Parlatoria blanchardii, on date palm 1992
Pectinophora gossypiella 3905
Pemphigus fuscicornis
 on beet 369
 on *Chenopodium* 369
 pests of apple 1417
 pests of mushroom 2740

Methyl-parathion contd.

against contd.

- Phalera bucephala*, on *Betula* 5677
Phyllonorycter corylifoliella, on apple 324
P. pyrifoliella, on apple 324
Plusia argentifera 6957
Quadraspidiotus perniciosus 5552, 7305
 on apple 7125
Rastrococcus spinosus, on mango 1035
Rhopalosiphum padi, on wheat 1939
Schizaphis graminum, on wheat 1939, 5752
Selenothrips rubrocinctus, on cacao 1491
Spodoptera eridania 699
S. exigua 3904
S. frugiperda 699
 on maize 703
S. littoralis 5179
Stigmella malella, on apple 324, 6116
S. plagiocolella, on apple 324
Stiphra robusta, on *Anacardium occidentale* 4893
Synoxylon sexdentatum, on grapevine 7291
Taeniothrips simplex 3027
Tetranychus neocaledonicus, on eggplant 2975
T. urticae, on *Capsicum* 985, 1027
Theresimima ampelophaga, on grapevine 2000
Thrips tabaci, on tobacco 7399
Tipula paludosa 2824
 in aphids, effects on feeding behaviour of 5342
 in *Aphis gossypii*, effects of food-plant on susceptibility to 4934
 in *Bathyplectes curculionis*, toxicity of 4883
 in beneficial insects, toxicity of 5205
 in cabbage, residues of 2047
 in *Channa punctatus*, effects on serum proteins of 1055
 in *Drosophila melanogaster*, bioassay of 2047
 in *Forcipomyia*, toxicity of 4383
 in *Geocoris*, effects on development and fecundity of 366
 in grain fields, effects on Carabidae of 6040
 in *Heliothis virescens*, effects of gossypol on susceptibility to 6934
 in maize, residues of 703
 in *Nomuraea rileyi*, toxicity of 3823
 in *Popilius disjunctus*, effects of 578
 in rice-fields, non-target effects of 710
 in soil
 degradation of 3933
 hydrolysis of 6986

Methyl-parathion *contd.*

- in soy-bean fields, non-target effects of 4949
- in *Spodoptera littoralis*
 - effects of 5797
 - effects of food-plant on susceptibility to 1024
 - effects of temperature on susceptibility to 5179
- in sugar-beet fields
 - effects on flying insects of 6165
 - effects on Hymenoptera of 3299
 - non-target effects of 370-371
- in *Trichogramma pretiosum*, toxicity of 3698
- in wheat, scorching caused by 7237
- resistance to, in
 - Amblyseius fallacis*, in Michigan 6025
 - Heliothis armigera*, in New South Wales 3701
 - H. virescens* 1036
 - Tetranychus arabicus*, in Egypt 3001
 - T. cucurbitacearum*, in Egypt 3001
- with azinphos-methyl
 - against
 - Anthonomus grandis*, on cotton 2989
 - Heliothis* spp., on cotton 2989
- with *Bacillus thuringiensis*
 - against
 - Cydia pomonella*, on apple 3624
 - Lobesia botrana*, on grapevine 6094
- with *Beauveria bassiana*, against, *Cydia pomonella*, on apple 3625
- with γ -BHC, and DDT, against, *Spodoptera littoralis* 5181
- with Bordeaux mixture, against, *Eupoecilia ambiguella*, on grapevine 1999
- with carbaryl
 - against
 - Heliothis virescens*, on cotton 4548
 - H. zea*, on cotton 4548
- with chlordane
 - against
 - Anthonomus grandis*, on cotton 2989
 - Heliothis* spp., on cotton 2989
- with chlordimeform
 - against
 - Anthonomus grandis*, on cotton 2989
 - Heliothis* spp., on cotton 2989, 4374
 - H. virescens* 6399
- with chlordimeform, and toxaphene, against, *Heliothis* spp., on cotton 4374
- with DDT
 - against
 - bollworms, on cotton 7391
 - Cicadellidae, on cotton 7391

Methyl-parathion *contd.*

- with DDT *contd.*
 - against *contd.*
 - Cnaphalocrocis medinalis*, on rice 827
 - Enneothrips flavens*, on groundnut 368
 - with DDT, and endosulfan, against, *Isaniris decorsei*, on cotton 3009
 - with DDT, and toxaphene
 - against
 - bollworms, on cotton 7391
 - Cicadellidae, on cotton 7391
 - pests of cotton 4376
 - Tetranychus arabicus*, on cotton 891
 - T. cucurbitacearum*, on cotton 891
 - in cottonseed, residues of 4576
 - with endosulfan
 - against
 - Agrotis segetum* 511, 3894
 - Haplodiplosis marginata*, on wheat 1942
 - with heptachlor, against, *Haplodiplosis marginata*, on wheat 1942
 - with leptophos, against, *Heliothis* spp., on cotton 4374
 - with methomyl
 - against
 - Heliothis* spp., on cotton 4374
 - Spodoptera exigua* 3904
 - with mevinphos, against, *Bucculatrix thurberiella*, on cotton 2988
 - with oil emulsion, against, *Parlatoria blanchardii*, on date palm 1992
 - with parathion
 - against
 - pests of cotton 2092
 - pests of fruit trees 1629
 - pests of grapevine 1629
 - pests of hop 1629
 - with toxaphene
 - against
 - Anthonomus grandis*, on cotton 2989
 - Heliothis* spp., on cotton 2989, 4374
 - H. zea*, on maize 4843, 5498
 - Spodoptera frugiperda*, on maize 4843, 5498
 - with trichlorphon
 - against
 - Margaritita sticticalis* 5402
 - Mythimna unipuncta*, on maize 5486
 - with zineb, against, *Eupoecilia ambiguella*, on grapevine 1999
- Methylmercaptophos** (see Methyl-demeton)
- Methylnitrophos** (see Fenitrothion, with *O*, *O*-dimethyl *O*-(5-methyl-2-nitrophenyl) phosphorothioate)
- meticulosa**, *Phlogophora*
- Metiram**, in *Trichogramma cacoeciae*, effects of 3910

Metisa plana

- in Malaysia 7290
- on oil palm, in Malaysia 7290
- parasites of, in Malaysia 7290

Metius

- on grasses, in Argentina 774
- preying on, insects, in Argentina 774

Metopiinae, parasitising, *Zeiraphera diniana*, in Switzerland 2255**Metopolophium dirhodum** (see *Acyrtosiphon*)**Metopolophium festucae** (see *Acyrtosiphon*)**Metopostigma sabulona**

- in USSR 5647
- preying on, *Smynthuroides betae*, in Turkmenia 5647

Metopta rectifasciata

- illustrations of 2002
- in South Korea 2002
- on grapevine, in South Korea 2002

Metriona bicolor

- descriptions of 7142
- food-plants of 7142
- in USA 7142
- taxonomy of 7142

Metzneria

- biology of 2327
- distribution of 2327
- keys to 2327
- taxonomy of, revision of 2327

Metzneria lappella, on *Cynareae*, and biological control using, in North America 2327**Metzneria paucipunctella**, on *Centaurea*, and biological control using 2327**Mevalonic acid** (see Pentanoic acid, 3,5-dihydroxy-3-methyl-)**Mevinphos** (methyl 3-[(dimethoxyphosphinyl)oxy]-2-butenate) against

- Acyrtosiphon pisum*, on pea 3155
- Agrotis segetum* 3894
- Alphitobius diaperinus* 2168
- Antigastra catalaunalis* 2079
- Aphis fabae*, on sugar-beet 4921
- A. pomi*, on apple 1418
- A. solanella*, on globe artichoke 1438
- Bemisia tabaci*, on tomato 7381
- Bephrata maculicollis*, on sourspot 4997
- Brachycaudus cardui*, on globe artichoke 1438
- Capitophorus elaeagni*, on globe artichoke 1438
- Cavariella aegopodii*, on carrot 876
- Cecidophyopsis ribis*, on black currant 1395
- Cydia molesta*, on peach 2022
- Dysaphis cynarae*, on globe artichoke 1438
- Keiferia lycopersicella*, on tomato 882

Mevinphos contd.

against contd.

- Lacanobia oleracea* 1598
- Liriomyza trifolii*, on celery 4922
- Mythimna unipuncta* 6663
- Opogona sacchari*, on *Sansevieria laurentia* 6201
- Pemphigus bursarius* 2912
- Pieris brassicae* 2042
- P. rapae*, on cabbage 6965
- Plusia argentifera* 6957
- Plutella xylostella*, on cauliflower 2044
- Semaphis dauci*, on carrot 4921
- Syringopais temperatella*, on barley 2786
- Tetranychus urticae* 6602
- on hop 1337
- Theresimima ampelophaga*, on grapevine 2000
- Trialeurodes vaporariorum* 1694
- Udea ferrugalis* 3510
- Zeiraphera diniana*, on *Picea abies* 1525
- in *Amblyseius longispinosus*, toxicity of 6417
- in *Apanteles glomeratus*, toxicity of 6965
- in *Apanteles plutellae*, toxicity of 3651
- in *Apis cerana*, toxicity of 7672
- in *Apis mellifera*, toxicity of 4567
- in *Coccinella septempunctata*, toxicity of 3955
- in *Encarsia formosa*, toxicity of 1694
- in *Episyrphus balteatus*, toxicity of 3955
- in lucerne, persistence in 4567
- in *Metasyrphus corollae*, toxicity of 3955
- in *Metasyrphus luniger*, toxicity of 3955
- in *Phytoseiulus persimilis*, toxicity of 7673
- in rape, persistence in 4567
- in *Stethorus loi*, toxicity of 6417
- in strawberry, residues of 2850
- sunlight inactivation of 7654
- vaporisation of 7654
- with γ -BHC, against, *Myzus persicae*, on peach 7321
- with endosulfan, against, *Agrotis segetum* 511, 3894
- with methyl-parathion, against, *Bucculatrix thurberiella*, on cotton 2988
- with monocrotophos, against, *Spodoptera littoralis* 7654
- with parathion
- against, *Bemisia tabaci*, on bean 4939
- in bean fields, non-target effects of 4939
- Mexacarbate** (4-(dimethylamino)-3,5-dimethylphenyl methylcarbamate) against
- Choristoneura occidentalis* 6821
- on *Abies* 4408
- on *Pseudotsuga* 4408

Mexacarbate *contd.*against *contd.*

- Chrysomela scripta* 7433
Cydia pomonella, on apple 6731
Epiphyas postvittana, on apple 6731
Hylobius pales 1664
Lambdina fiscellaria 520
Neodiprion tsugae 520
Rhyacionia frustrana, on *Pinus radiata* 3040
Spodoptera littoralis 1488
antifeedant for, *Hylobius pales* 1520
determination of 123
in *Phasianus colchicus*, esterase inhibition by 6405
in pigeon, esterase inhibition by 6405
in *Spodoptera littoralis*, effects of gossypol on susceptibility to 1488

mexicanus, Dendroctonus (see *D. frontalis*)**mexicanus, Ips****Mexico**

- Aeneolamia contigua* in, on grasses 1363
A. occidentalis in, on *Digitaria decumbens* 4249
agricultural pests in 1164
Anthonomus grandis in 7567
food-plants of 1331
natural enemies of 1076
Antichloris viridis in, on banana 2350
Bucculatrix thurberiella in, on cotton 896, 2988
Coccus pseudomagnoliarum in 4328
cotton in, pests of 3699
Dactylopius tomentosus in, on cacti 555
Dendroctonus frontalis in, on *Pinus* 3042
Diatraea grandiosella in, on maize 703
Eurytoma spp. in 1076
Frankliniella parvula in
on banana 1435
on cacao 902
Heliothis spp. in
on cotton 385
on *Physalis* 783
on *Physalis ixocarpa* 1475
H. zea in, on maize 703
Leptoglossus spp. in 655
Leucothrips theobromae in, on cacao 902
Loxostege spp. in 7032
Nezara viridula in 3449
Pectinophora gossypiella in, on cotton 385
pest control in 3970
plant protection in 3830
Prosapia simulans in, on *Digitaria decumbens* 4249
Rhynchophorus palmarum in, on coconut 3611
Selenothrips rubrocinctus in, on cacao 902
Sericothrips inversus in, on cacao 902

Mexico *contd.*

- Spodoptera frugiperda* in, on maize 703
sterile-insect release in 5126
Symmetrischema spp. in, on *Physalis ixocarpa* 1475
Teleonomia scrupulosa in, on *Lantana camara* 6657
Tenuipalpidae in 1722
thrips in 3357
Trialeurodes vaporariorum in
on *Physalis* 1474
on tomato 1474
meyricki, Leucoptera
Mglawik (see BHC (γ -isomer), with DDT)
MGK Synergist 264 (see 4,7-Methano-1*H*-isoidole-1,3(2*H*)-dione, 2-(2-ethylhexyl)-3a,4,7,7a-tetrahydro-)
MH (1,2-dihydro-3,6-pyridazinedione)
in *Aphis fabae*, effects on reproduction of 2625
micacea, Hydraecia
micans, Cybocephalus
micans, Dendroctonus
micans, Xylocopa
Micasin (see Chlorfensulphide, with bis(4-chlorophenyl) disulfide, and 1,1'-[methylenebis(oxy)]bis[4-chlorobenzene])
Mice (see Mouse)
Michigan
Amblyseius fallacis in, in apple orchards 5557
Anthonomus signatus in, on strawberry 2852
Aphrophora saratogensis in, on *Pinus* 2125
apple in
pest management on 6730
pests of 7502
Choristoneura pinus in
natural enemies of 920, 3479
on *Pinus* 920, 3479
Cicadellidae in
on peach 331
on *Prunus cerasus* 331
Conophthorus banksianae in
natural enemies of 3746
on *Pinus* 2124, 3746
Diabrotica longicornis in, on maize 2539
D. undecimpunctata in, on maize 2539
D. virgifera in, on maize 2539
Dioryctria zimmermani in, on *Pinus* 6838
Eucosma gloriola in, on *Pinus* 3864
Gryllus pennsylvanicus in 4709
G. veletis in 4709
Hylobius radialis in, on *Pinus* 5036
Lachnosterna spp. in, on *Pinus* 1518
lucerne in, pests of 3499
Macrosiphum avenae in, on oats 2256
Neodiprion sertifer in, on *Pinus* 5037
orthopteroids in, in farm yards 7168
Oulema melanopus in 620, 778, 3259

Michigan contd.*Oulema melanopus* in *contd.*

natural enemies of 6676

on oats 2256

on wheat 6676

Paralobesia palliolana in, on *Larix* 3745*Phytocoris discoidalis* in 1723*Scolytus multistriatus* in, on *Ulmus*

5038, 5757

Micoterys sasae, sp. nov., description of 550***micracanthus, Acanthococcus******Micraspis frenata***

in Australia 225

preying on, *Henosepilachna**guttatopustulata*, in Queensland 225***Microbracon*** (see *Bracon*)***Microbracon gelechiae*** (see *Bracon*)***Microbracon hebetor*** (see *Bracon*)***Microcephalothrips abdominalis***, in Peru 676***Microcerotermes***, on tea, in Assam 2108***Microcerotermes diversus***

biology of 7287

control of 7287

in Iran 7287

on palm, in Iran 7287

Microcerotermes turneri

in Australia 3106

in power-transmission poles, in Queensland 3106

Microchelonus (see *Chelonus*)***Micrococcus***, in, *Galleria mellonella* gut 7066***Micrococcus luteus***, in, *Ostrinia nubilalis*, in Iowa 7485***Microctonus aethioides***

sp. n., description of 4602

distribution of 4602

parasitising

Hypera nigrirostris 4602*H. postica* 4602*Sitona hispidulus* 4602taxonomy of, misidentified as *M. aethiops* 4602***Microctonus aethiops***

taxonomy of

Microctonus aethioides misidentified as 4602

neotype for 4602

Microctonus brevicollis, descriptions of 4602***Microctonus caudatus***

biology of 6631

in UK 6631

parasitising, *Harpalus rufipes*, in England 6631***Microctonus cerealium***, taxonomy of, synonym of *M. secalis* 4602***Microctonus secalis***

descriptions of 4602

Microctonus secalis *contd.*

taxonomy of

lectotypes for 4602

Microctonus cerealium as synonym of 4602***Microdiprion pallipes***

biology of 929

in West Germany 929–930

on *Pinus*, in West Germany 929on *Pinus rotundata*, in West Germany 930on *Pinus sylvestris* 929

in West Germany 930

parasites of, in West Germany 930

population dynamics of 930

predators of, in West Germany 930

Microdiprion pallipes pallipes, distribution of 928***Microdiprion pallipes politum***

biology of 928

descriptions of 928

in West Germany 928

on *Pinus mugo*, in West Germany 928

taxonomy of 928

Microdus cingulipes (see *Agathis*)***Microdus rufipes*** (see *Agathis*)***Microgadus proximus***, DDE in, residues of 6409***Microhelea***, taxonomy of 1493***Microhodotermes***, in southern Africa 1315***Microlinyphia pusilla***, in Finland 2767***Microlophium carnosum***

in UK 5480, 6655

natural enemies of, in England 5480

on *Urtica dioica*, in England 5480, 6655

population dynamics of 6655

Micromus angulatus

biology of 6021

in France 6021

in lucerne fields, in France 6021

in pastures, in France 6021

preying on

Myzus persicae 6021*Uroleucon picridis* 6021***Micronematus abbreviatus*** (see *Pristiphora*)***Microphanurus megacephalus*** (see *Trissolcus basalis*)***Microplitis croceipes***

in USA 2736, 3678

parasitising

Elasmopalpus lignosellus, in Oklahoma 3678*Heliothis* spp., in Arkansas 2736*H. armigera*, and biological control using 3178*H. virescens* 5468*H. zea*, in Oklahoma 3678*Stegasta basqueella*, in Oklahoma 3678***Microplitis medianus***

in Japan 870

parasitising, *Mamestra brassicae*, in Japan 870

- Microplitis minutalis***
 in Argentina 1277
 in Uruguay 1277
 parasitising, *Phthorimaea operculella*, in
 South America 1277
- Microplitis ruricola***
 in Yugoslavia 5479
 parasitising, *Calophasia casta*, in
 Yugoslavia 5479
- Microplitis tuberculifera***
 in USSR 6767
 parasitising, *Mamestra brassicae*, in
 Byelorussia 6767
- microplus, Boophilus***
- microptera, Romalea***
- Micropterigidae**
 in Irish Republic 4594
 in UK 4594
 keys to 4594
- micropterus, Eupteromalus***
- Microsporidia**
 hydrophilic spore proteins in 949
 hydrophobic spore proteins in 948
 in
 Choristoneura fumiferana, and
 biological control using, in North
 America 6836
 Culicidae, in Puerto Rico 3137
 Diatraea saccharalis, in Puerto Rico
 3137
 Dictyoploca japonica, in Maritime
 Territory 7431
 Entomoscelis americana, in Manitoba
 5077
 Euproctis similis, in Yugoslavia 5076
 Lepidoptera, in Yugoslavia 6885
 mill insects, in Yugoslavia 4485
 Scolytus scolytus 5731
 Solenopsis saevissima complex, in Brazil
 3531
 Tipulidae, in UK 7589
- Microtermes***, rearing of, techniques for 214
- Microtermes mycophagus***
 biology of 3561
 in Pakistan 3561
- Microtermes obesi***
 biology of 3561
 in Bangladesh 3561
 in Pakistan 3561
- Microtermes unicolor***
 biology of 3561
 in Bangladesh 3561
 in Pakistan 3561
- Microterys*** 817
 in Africa 3991
 in Australia 5917
 taxonomy of, relation of *Argutencyrtus*
 and 16
- Microterys annekei***
 sp. n., description of 3991
 in South Africa 3991
- Microterys annekei* contd.**
 parasitising
 Filippia spp., in South Africa 3991
 Parasaissetia litorea, in South Africa
 3991
 Pulvinariella mesembryanthemi, in
 South Africa 3991
 Saissetia spp., in South Africa 3991
- Microterys australicus***
 sp. nov., description of 5917
 in Australia 5917
 parasitising
 Ceroplastes ceriferus, in Queensland
 5917
 Gascardia destructor
 in New South Wales 5917
 in Queensland 5917
- Microterys bizanensis***, descriptions of 3991
- Microterys ceroplastae***
 sp. n., description of 3991
 in Kenya 3991
 parasitising
 Ceroplastes spp., in Kenya 3991
 Gascardia destructor, in Kenya 3991
- Microterys chalcostomus***
 biology of 3541
 in Pakistan 3541
 preying on, *Eulecanium* spp., in Pakistan
 3541
- Microterys flavus***
 in Australia 5917
 parasitising
 Coccus hesperidum 3456
 in New South Wales 5917
 Gascardia destructor, in New South
 Wales 5917
 searching behaviour in, effects of male
 presence on 3456
 taxonomy of 3991
- Microterys fuscipennis* Comp.**, taxonomy of,
Microterys haroldi proposed as new
 name for 4600
- Microterys fuscipennis* (Dalm.)**, taxonomy of
 4600
- Microterys haroldi***
 taxonomy of
 characters distinguishing
 Paraphaenodiscus and 4600
 proposed as replacement for *M.*
 fuscipennis Comp. 4600
- Microterys kenyaensis***, descriptions of
 3991
- Microterys nicholsoni***, taxonomy of 3991
- Microterys sasae***
 in USSR 550
 parasitising, *Acanthococcus sasae*, in
 Kurile Islands 550
- Microterys sylvius***
 in Lebanon 4895
 parasitising, *Didesmococcus unifasciatus*,
 in Lebanon 4895

Microterys tricoloricornis

in Turkey 1427

parasitising

Coccus hesperidum, in Turkey 1427*C. pseudomagnoliarum*, in Turkey 1427**Micryphantidae**

prey of, in West Germany 1198

traps for 1198

Middle East*Oria musculosa* in 270

Pentatomidae in, on grain crops 1347

Migration*Adelphocoris lineolatus* 3464*Agrotis ipsilon* 4880*Anthonomus grandis* 5638*Aphis fabae* 2951, 4936*Ceratitis capitata* 6740*Ceuthophilus conicaudus* 3483*Chortoicetes terminifera* 4188*Cnaphalocrocis medinalis* 7256

Coccinellidae 2622

Dysdercus melanoderes 2503*D. voelkeri* 2503*Empoasca fabae* 3464

grasshoppers 5424

Gryllus campestris 6535

Lepidoptera 2611, 2623

Locusta migratoria 1858, 6607

locusts 2646

Lygus lineolaris 3464*Macrolophus rubi* 2101*Mythimna separata* 2668*Myzus persicae* 4961*Neodiprion sertifer* 5670*Nilaparvata lugens* 6688, 7255, 7262*Noctua pronuba* 4099

Noctuidae 2646

Persectania ewingii 4115*Pseudoplusia includens* 3670*Pygaera anastomosis* 3052*Schistocerca americana* 7167*Sogatella furcifera* 6688, 7255*Spodoptera exempta* 2507, 2647, 4247*Stenocranus minutus* 4282*Zeiraphera diniana* 5661***migratoria, Locusta******migratorioides, Locusta migratoria*****Milbex** (see Chlorfenethol, with chlorfensulphide)**Milbol** (see Dicofol)**Milcurb** (see Dimethirimol)***miliaris, Nematus, (Pteronidea)******militaris, Apanteles******militaris, Hemichroa******militis, Neurogalesus*****Milk**

as sunlight protectant for virus formulations 3135

chlorpyrifos in, residues of 6985

DDT in

determination of 2550

Milk contd.

DDT in contd.

residues of 5212

dieldrin in, residues of 1689, 5212

diet component for, *Hylemya brassicae* 4518

organochlorine insecticides in, residues of 3315

parathion in, determination of 7151

pesticide taints in, avoidance of 7675

Milk powder*Blattella germanica* in 7453

in Japan 7457

Bracon hebetor in, attractants for 7454

Coleoptera in, development of 7459

diet component for

Acrotelsa collaris 1568*Diatraea saccharalis* 237*Itoplectis maculator* 1243*Liposcelis bostrychophilus* in

development of 7449

in Japan 7457

Oryzaephilus surinamensis in

development of 1799

feeding preferences of 7458

Periplaneta fuliginosa in, in Japan 7457

pest control in, tricalcium phosphate for 1548

pests of 7444–7445

in Japan 7443, 7448, 7452, 7456, 7460

in Kanagawa Prefecture 7455

Psocidae in, development of 7459

Tribolium castaneum in, feeding

preferences of 7458

T. confusum in, feeding preferences of 7458**Milk-powder factories**

insects in, in Japan 7446–7447

mites in, in Japan 7447

spiders in, in Japan 7446–7447

Milk products, pesticide taints in, avoidance of 7675***Millardia meltada***, preying on,*Saccharicoccus sacchari*, in Sri Lanka 817***millenniana, Cydia*****Millepede** (see Diplopoda)***milleri, Coleotechnites*****Millet***Agrotis segetum* on, rearing of 6572

grasshoppers on, in Nigeria 5423

Hieroglyphus nigrorepletus on, in Uttar Pradesh 6603*Kraussaria angulifera* on, in Nigeria 1855*Oria musculosa* on 270

viruses in, techniques for studying transmission of 7157

Millet, finger (see *Eleusine coracana*)**Millet, Italian** (see *Setaria italica*)

Millet meal

diet component for, *Mamestra brassicae* 6573

Tribolium destructor in, feeding preferences of 6305

Millet, pearl (see *Pennisetum typhoides*)

Millet (stored grain), phosphine in, adsorption of 2167

millierei, Acrosternum**Mills**

Blattaria in, in Yugoslavia 4485
Coleoptera in, in Yugoslavia 4485
insects in, in Portugal 1540
Lepidoptera in, in Yugoslavia 4485
stored-product insects in, detection of 5706

Milstem (see Ethirimol)**Mimastra cyanura**

in India 7177
on almond, in Himachal Pradesh 7177
on apricot, in Himachal Pradesh 7177
on lucerne, in Himachal Pradesh 7177
on mulberry, in Himachal Pradesh 7177
on peach, in Himachal Pradesh 7177
on pear, in Himachal Pradesh 7177
on plum, in Himachal Pradesh 7177
on *Vigna unguiculata*, in Himachal Pradesh 7177

Mimela costata

Beauveria bassiana in, in Japan 4469
B. tenella in, in Japan 4469
in Japan 4469
Synnematum jonesii in, in Japan 4469

Mimetes, pests of, in South Africa 4387**Mimosa** (see also *Albizia julibrissin*)**mimosae, Mimosestes, (Bruchus)****Mimosestes mimosae**

in Canary Islands 5236
taxonomy of
Bruchus dominicanus as synonym of 5236
transferred from *Bruchus* 5236

mimula, Periploca**Mimus polyglottos**, mirex in, residues of 5147**Minacide** (see Promecarb)**minax, Callantra****mindariphagum, Pseudopraon****Mindarus abietinus**

in Czechoslovakia 2330
on *Abies alba*, in Czechoslovakia 2330
parasitised by, *Pseudopraon mindariphagum*, in Czechoslovakia 2330

minense, Metagonistylum**Minerals**

diet component for, *Myzus persicae* 1836
in *Anthonomus grandis* 2992
in *Anthrenus flavipes* diet, effects on feeding of 4053
in cotton 2992
in insect diets 139

minerva, Draeculacephala**miniago, Eugnorisma****minima, Acanthopsyche****minima, Bactra****minimum, Apion****minimum, Monomorium****Minkil** (see DDT, with malathion)**Minnesota**

Choristoneura fumiferana in, on *Abies* 434

C. pinus in, on *Pinus* 6839

Dasychira plagiata in, on *Pinus* 4390

Dioryctria disculsa in, on *Pinus* 6839

D. zimmermani in, on *Pinus* 6839

Eucordylea spp. in, on *Pinus* 6839

Malacosoma disstria in, on *Populus* 3045

Ostrinia nubilalis in 4265

natural enemies of 7486

on maize 3591, 7486

Pachynematus alaskensis in, on *Picea* 507

Pristiphora erichsonii in, on *Larix* 3833

wolves in, insecticide residues not found in 4561

Xyela minor in, on *Pinus* 6839

Minnow (see also *Pimephales*)**minor, Chaetosiphon****minor, Isotomiella****minor, Labia****minor, Molorchus****minor, Pleocoma****minor, Tomicus**

(*Blastophagus*)

(*Myelophilus*)

minor, Xyela**minozzii, Euphysothrips****Mint**

Heliothis peltigera on, in Bulgaria 224

Ovatus crataegarius on, in Bulgaria 224

pest control on 224

mintus, Orius**minuta, Hoplocampa****minuta, Porphyrosela****minutalis, Microplitis****minutula, Monosteira****minutum, Trichogramma****minutus, Arrhenodes****minutus, Lathridius****minutus, Stenocranus****MIPC** (see Isoprocab)**mirabilis, Invreia**

Mirex (1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H-cyclobuta[cd]pentalene)
against

Anoplolepis longipes 3645

ants 2696

Atta opaciceps 4766-4768

Camponotus friedae 3645

Pheidolegeton diversus 3645

Reticulitermes flavipes 1921, 4816

Solenopsis spp. 5147

Mirex contd.

against contd.

Solenopsis contd.*S. invicta* 750, 1683, 2299–2300, 4199,
5148–5149, 5990, 6608, 6980*S. richteri* 1683, 2299, 6608, 6980*S. saevissima* 3323

termites 6645

Vespa germanica 5991in *Anas platyrhynchos*, irradiation
products of 6386

in aquatic animals, residues of 6980

in birds, residues of 7665

in cigarette smoke, fate of 1064

in crab, residues of 2300

in estuarine sediments, residues of 2300

in fish, residues of 2300, 7665

in *Gambusia affinis*, residues of 1041in *Lanius ludovicianus*, residues of 5147

in mammals, residues of 7665

in man, residues of 1683

in *Mimus polyglottos*, residues of 5147in mouse intestine, not inhibiting active
transport of glucose 1686in *Paspalum notatum*, residues of 5149in *Philohela minor*, residues of 3323

in quail, residues of 1041

in rabbit

association with NADH of 6946

effects on lactate dehydrogenase of
3300lactate dehydrogenase inhibition by
6946

in rat, residues of 1041

in seafood, residues of 2299

in sediment, residues of 5149

in shrimp, residues of 2300

in soil, residues of 5149, 7665

in *Solenopsis*, residues of 5148

in spiders, residues of 5148

in terrestrial animals, residues of 6980

in water, residues of 5149

in *Zenaidura macroura*, residues of 2304

photodecomposition of 1013

photoproducts of 1650

thermal decomposition of 4540

Miridae

control of, insecticides for 1492

on cacao

in Ghana 1490

in West Africa 1492

on Cruciferae, in Poland 2039

preyed on by, *Oecophylla longinoda*, in
Ghana 1490preying on, *Microlophium carnosum*, in
England 5480**Mirufens afrangata**

sp. n., description of 2337

in India 2337

parasitising

Membracidae, in India 2337

Oxyrhachis spp., in India 2337**Mirufens longifuniculata**

sp. n., description of 2337

in India 2337

parasitising, *Rastrococcus* spp., in India
2337**Mirufens mangiferae**

sp. n., description of 2337

in India 2337

parasitising

Nipaecoccus spp., in India 2337*Oxyrhachis* spp., in India 2337**miscanthi, Macrosiphum****Miscanthus sinensis** 3600*Longiunguis sacchari* on, development of
292**miscelcolorella, Walshia****misellivestis, Eurybia****misera, Sarcophaga****miserana, Isotenes****mississippensis, Scoloposcelis** (see *S.*
flavicornis)**Mississippi***Anthonomus grandis* in 2992–2993, 3426
natural enemies of 3551on cotton 2083, 2994, 3453, 3551,
3710, 4362, 5336, 6189*Asterocampa celtis* in, on *Celtis laevigata*
3036

biological control in 2750

Cerotoma trifurcata in, on soy bean
4341*Contarinia sorghicola* in

on sorghum 2818

on *Sorghum halepense* 2818*Curculio caryae* in, natural enemies of
3824*Diaprepes abbreviatus* in, on ornamental
plants 4994*Diatraea grandiosella* in 6425*Heliothis virescens* in, on soy bean 3257*H. zea* in 110

on soy bean 3257

Homadaula anisocentra in, on *Gleditsia*
triacanthos 6806*Ictalurus punctatus* in, pesticide residues
in 6401*Podosesia syringae* in

natural enemies of 922

on Oleaceae 922

Quercus lyrata in, pests of 7410*Q. nuttallii* in, pests of 7410*Solenopsis invicta* in 3533, 4199, 5149,
6608*S. richteri* in 6608*S. saevissima* in 3323*Spissistilus festinus* in, on soy bean 4341*Spodoptera frugiperda* in 1176*Tetranychus urticae* in

natural enemies of 3010

on cotton 3010

woodcock in, organochlorine residues in
3323

Missouri

- Conoderus* spp. in, on maize 3463
- Dectes texanus* in
 - natural enemies of 865
 - on soy bean 865
- Desmia funeralis* in, on grapevine 316
- Diatraea grandiosella* in 6425
- Heliothis zea* in, natural enemies of 5843
- Lygus* spp. in, natural enemies of 4804
- Melanotus* spp. in, on maize 3463
- Molorchus bimaculatus* in, natural enemies of 4804
- Ostrinia nubilalis* in 4265
 - on maize 3591
- Paralobesia viteana* in, on grapevine 316
- Plathypena scabra* in, natural enemies of 2056
- Rhyacionia* spp. in
 - natural enemies of 4393
 - on *Pinus* 4393
- Scolytidae in 5672
- Stictoccephala lutea* in, natural enemies of 4804
- Tetranychidae in
 - natural enemies of 4803, 5562
 - on apple 5562
- Trichoplusia ni* in
 - natural enemies of 2056
 - on soy bean 6780

Mites

- acaricide resistance in 5119
- associated with
 - arthropods, in Argentina 2666
 - Popilius disjunctus*, in USA 5470
- control of
 - acaricides for 7605-7607
 - biological 3835
 - role of IOBC in 2640
- EPPO quarantine lists for 3875
- feeding pattern of 7285
- groundnut pod rot, role of, in 120
- herbicides in, effects of 2603
- in Iran 2537
- in buildings, in UK 7594
- in clover fields, in Egypt 3602
- in foodstuffs 6855
 - in Peru 5707
- in grassland, in Nova Scotia 300
- in lucerne fields, in Egypt 3602
- in maize fields, in East Germany 2603
- in milk powder 7445
 - in Japan 7448, 7456
 - in Kanagawa Prefecture 7455
- in milk-powder factories, in Japan 7447
- in soil, in Egypt 4206
- in stored grain
 - in East Germany 2170
 - in UK 7594
- in stored products 6302
 - damage caused by 7625
- in stored rape seed, in France 1554
- in storehouses, in Yugoslavia 6853

Mites contd.

- in wheat fields, in East Germany 2603
- keys to 3360
- on cabbage, in Czechoslovakia 4921
- on grapevine, damage caused by 7481
- on grasses, damage caused by 1930
- on Lepidoptera, books on 5979
- on mushroom 6028
- on pineapple, in South Africa 2908
- on plum, in California 1640
- on potato, in USSR 6167
- on shrubs, in USA 5687
- on tea, in Sri Lanka 404
- population growth in, effects of stored grain moisture content on 1554
- predators of, in Bulgaria 2864
- preyed on by
 - Chrysopidae, and biological control using 5459
 - Deraeocoris nebulosus*, in Pennsylvania 6614
 - Phytoseiidae, in Russian Republic 7010
- preying on
 - Bombinae, in North America 3550
 - Heteropeza pygmaea*, in Taiwan 809
 - Kakothrips pisivorus*, in Mordovian Republic 6157
 - Lema gallaeciana*, in Poland 2774
 - Numicia viridis*, in southern Africa 5959
 - Oulema melanopus*, in Poland 2774
- stepped photoperiodic reactions in 2516
- Mitin FF (see Benzenesulfonic acid, 5-chloro-2-[4-chloro-2-[[[(3,4-dichlorophenyl)amino]carbonyl]amino]p-henoxy]-, sodium salt)
- mitocera*, *Oncopera*
- mitratus*, *Teleogryllus*, (*Gryllus*)
- mixta*, *Pegomya*
- miyarai*, *Adelencyrtus*
- Mobam* (see Benzo[*b*]thiophene-4-ol, methylcarbamate)
- Mocap* (see Ethoprophos)
- Mocis disseverans*
 - in USA 4283
 - in pastures, in Florida 4283
 - life history of 4283
 - on groundnut, unable to develop 4283
 - on *Panicum maximum*, development of 4283
 - on *Phaseolus limensis*, unable to develop 4283
 - on soy bean, unable to develop 4283
 - parasites of, in Florida 4283
 - predators of, in Florida 4283
- Mocis frugalis*
 - biology of 3578
 - food-plants of 3578
 - in India 3578
 - on *Eleusine coracana*, in Karnataka 3578
 - on maize, in Karnataka 3578

***Mocis frugalis* contd.**

on sorghum, in Karnataka 3578

parasitised by

Bracon spp., in Karnataka 3578

Tachinidae, in Karnataka 3578

Mocis latipes

in USA 1364, 4283

in pastures, in Florida 4283

life history of 1364, 4283

on grasses, in Florida 1364

on groundnut, unable to develop 4283

on *Panicum maximum*, development of 4283on *Phaseolus limensis*, unable to develop 4283

on soy bean, unable to develop 4283

parasites of, in Florida 4283

predators of, in Florida 4283

Mocis marcida

in USA 4283

in pastures, in Florida 4283

life history of 4283

on groundnut, unable to develop 4283

on *Panicum maximum*, development of 4283on *Phaseolus limensis*, unable to develop 4283

on soy bean, unable to develop 4283

parasites of, in Florida 4283

predators of, in Florida 4283

Mocis repanda

in Puerto Rico 1975

on grasses, in Puerto Rico 1975

Mocis undata

control of, insecticides for 859

in India 4786

in Philippines 859

on *Phaseolus aureus*, in Philippines 859

on soy bean, in Madhya Pradesh 4786

parasitised by

Brachymeria lasus, in Madhya Pradesh 4786*Echthromorpha agrestoria*, in Madhya Pradesh 4786*Exorista sorbillans*, in Madhya Pradesh 4786*Thelaira macropus*, in Madhya Pradesh 4786*Xanthopimpla predator*, in Madhya Pradesh 4786**Mockingbird (see *Mimus polyglottos*)*****Mocuellus dlabolai***

sp. nov., description of 546

in Turkey 546

Mocuellus foxi

sp. n., description of 546

in Turkey 546

Mocuellus zelihae

sp. n., description of 546

in Turkey 546

Model ecosystems, carbamates in, fate of 5785***modesta*, *Hydrellia******Modicogryllus frontalis***

in Poland 7136

non-target effects of insecticides on 7136

modicus*, *Orgilus***moerens*, *Pheidole******Mogannia hebes***

in Taiwan 247, 255

Isaria sinclairii in

in Taiwan 247

pathogenicity of 247, 255

Metarhizium anisopliae in

in Taiwan 247

pathogenicity of 247, 255

on sugar-cane, in Taiwan 247, 255

Mogannia iwasakii

in Japan 262, 1933

on grasses, in Okinawa Prefecture 262

on sugar-cane, in Okinawa Prefecture 262, 1933

population dynamics of 262

predators of, in Okinawa Prefecture 262

Mogannia kashotoensis

in Taiwan 255

Isaria sinclairii in, pathogenicity of 255

on sugar-cane, in Taiwan 255

***Mogoplistes*, preying on, *Cydia pomonella*,**

in France 6732

mohave*, *Chrysopa**Molasses**

bait component for

Metamasius hemipterus 683

Noctuidae 152

Peridroma saucia 511diet component for, *Ceratitis capitata*

3231, 6568

in *Lymantria dispar* diet, masking *Bacillus**thuringiensis* 423

in virus preparations 6850

with *Bacillus thuringiensis* 1521with *Bacillus thuringiensis*, and carbon 2120

with carbaryl 1477, 2093, 3008, 6185, 7515

with carbaryl, and dimethoate 3008

with *Heliothis* virus preparations 3858

with syrup, and trichlorophon 5488

with virus formulations 1521

molesta*, *Cydia*, (*Grapholitha*)**(*Laspeyresia*)molesta*, *Solenopsis******molitor*, *Tenebrio******mollipla*, *Diadegma******mollis*, *Ernobius******mollis*, *Orucyba******mollis*, *Polydrusus*****Molluscs, organochlorine insecticides in,**

residues of 6981

Molorchus bimaculatus

in USA 4804

preyed on by, *Pselliopus barberi*, in

Missouri 4804

- Molorchus minor**
in USSR 5536
on hazel
damage caused by 5536
in Armenia 5536
on pear
damage caused by 5536
in Armenia 5536
- Molothrus ater**, preying on, *Choristoneura pinus*, in Michigan 3479
- Molybdenum**
in *Solenopsis invicta* 2697
in *Solenopsis invicta* queens 5311
- Molybdic acid** (H_2MoO_4), disodium salt,
against, *Tetranychus urticae*, on
Phaseolus 6935
- mombinpraeoptans**, *Anastrepha* (see *A. obliqua*)
- Momordica charantia**
Dacus ciliatus on, in Pakistan 2922
D. cucurbitae on, in Pakistan 2922
Henosepilachna vigintioctopunctata on
1712
insecticides in, toxicity of 1446
Palpita indica on, unable to complete
development 4334
- monacha**, *Lymantria*
(*Ocneria*)
- Monalonion annulipes**
biology of 401, 3012
in Costa Rica 401, 3012
on cacao
development of 401
in Costa Rica 401, 3012
relation to die-back of 3012
- Monalonion dissimulatum**
biology of 5652
in Colombia 5652
on cacao
damage caused by 5652
in Colombia 5652
- Monarda punctata**, *Psallus seriatus* on,
development of 7389
- Monarthrum fasciatum**
flight activity in 5672
in USA 5672
in oak-hickory forests, in Missouri 5672
- Monarthrum mali**
flight activity in 5672
in USA 5672
in oak-hickory forests, in Missouri 5672
- Mongolia**, insects in 4142
- Mongolotettix japonicus**
in Japan 3600
in grassland, in Japan 3600
population density of 3600
- Mongoose**, mirex in, residues of 7665
- Monilia fructicola** (see *Sclerotinia*)
- Monima gracilis** (see *Orthosia*)
- Monitor** (see *Methamidophos*)
- Monkey**, rhesus (see *Macaca mulatta*)
- Monochamus**
on *Pinus contorta*
distribution pattern of 4414
in Alberta 4414
- Monochamus alternatus**
Bursaphelenchus lignicolus in
in Japan 1073
transmission of 1073
control of, insecticides for 5795
in Japan 1073
on *Pinus*
ethane preventing feeding by 1073
in Japan 1073
- Monochamus galloprovincialis**
control of, insecticides for 2178, 7423
in Poland 7423
in USSR 2178
in timber
imported into Bulgaria 2178
in USSR 2178
on *Pinus sylvestris*, in Poland 7423
- Monochamus sutor**
control of, insecticides for 2178
in USSR 2178
in timber
imported into Bulgaria 2178
in USSR 2178
- Monochamus urusovii**
control of, insecticides for 2178
in USSR 2178
in timber
imported into Bulgaria 2178
in USSR 2178
- monochroma**, *Dryobotodes*
- Monocrotophos** (dimethyl (*E*)-1-methyl-3-(methylamino)-3-oxo-1-propenyl phosphate)
against
Aceria mangiferae, on mango 7331
Aeneolamia varia, on sugar-cane 243
Agrotis spp., on maize 1341
A. ipsilon, on lettuce 4923
Aleurocanthus spiniferus, on *Citrus*
6748
Ammalo helops, on *Ficus* 5574
Amrasca biguttula, on cotton 1484
aphids, on cacao 1492
Aphis fabae 5193
on *Vicia faba* 3285, 5194
A. gossypii, on cotton 1484, 3707
Atherigona soccata, on sorghum 836,
4871, 6067
Bemisia tabaci
on cotton 3707
on soy bean 1458
Bephrata maculicollis, on soursop
4997
bollworms, on cotton 7391
Brevicoryne brassicae, on cabbage
4329
Cerataphis variabilis, on coconut 2844

Monocrotophos contd.

against contd.

- Chalcodermus bimaculatus*, on *Vigna unguiculata* 4946
Chilo infuscatellus, on sugar-cane 6667
C. partellus, on sorghum 5952
C. polychrysus, on rice 1951
C. suppressalis, on rice 1951
Cicadellidae, on cotton 7391
Cnaphalocrocis medinalis 3291
Coccus viridis, on coffee 2106
Cryptoblabes gnidiella, on sorghum 6068
Diacrisia obliqua 863
Diaphorina citri, on orange 341
Diatraea centrella, on sugar-cane 229
D. saccharalis, on rice 709
Diparopsis watersi, on cotton 4503
Drosicha mangiferae, on mango 1436
Dulinius unicolor, on coffee 3017
Earias spp., on cotton 1484, 4503
E. biplaga 3207
E. insulana 3207
E. vittella, on cotton 2093
Elasmopalpus lignosellus, on maize 706
Empoasca lybica, on cotton 3707
Enneothrips flavens, on groundnut 7361
Eurytoma amygdali, on almond 4897
Euschistus heros, on soy bean 367
Feltia subterranea, on lettuce 4923
Gargaphia sanchezi, on *Phaseolus vulgaris* 4940
Heliothis spp., on *Physalis ixocarpa* 1475
H. armigera
on cotton 4503
on sorghum 6069
H. virescens
on chickpea 695, 707
on cotton 2990
H. zea, on cotton 2990
Henosepilachna vigintioctopunctata 4552
Heteronychus arator 6958
Lipaphis erysimi 2294
on mustard 4545
Lygus hesperus 1452
Maruca testulalis, on *Vigna unguiculata* 7356
mealybugs, on cacao 1492
Myllocerus undecimpustulatus, on cotton 1484
Mythimna unipuncta 6663
Myzus persicae 1670
on *Gerbera jamesonii* 1501
Nezara viridula, on soy bean 367
Nilaparvata lugens, on rice 4851
Nymphula depunctalis, on rice 7253

Monocrotophos contd.

against contd.

- Ophiomyia phaseoli*, on *Vicia faba* 1448
Ostrinia furnacalis, on maize 5500
Palpita nitidalis, on cucumber 357
Pectinophora gossypiella 3905
on cotton 1484
pests of cabbage 4932
pests of cotton 2092, 3008, 4358, 4376
pests of pea 6775
Phycita infusella, on cotton 6795
Piezodorus guildini, on soy bean 367
Plusia argentifera 6957
Plutella xylostella, on cauliflower 2044
Psylla pyri, on pear 7546
Psyllidae, on cacao 1492
Saccharosydne saccharivora, on sugar-cane 1934
Schoenobius dodatellus, on rice 1951
Scirpophaga incertulas, on rice 1951
Sesamia inferens, on rice 1951
Sphaeraspis salisburyensis, on *Pennisetum clandestinum* 813
Spodoptera exigua, on celery 4923
S. litoralis 1637, 3899, 5179, 7654
S. litura, on tobacco 2099
Sundapteryx biguttula, on eggplant 1477
Sylepta derogata, on cotton 4980
Symmetrischema spp., on *Physalis ixocarpa* 1475
Synanthedon tipuliformis, on black currant 1396
Tetranychus neocaledonicus
on eggplant 2975
on okra 4920
T. turkestanii, on cotton 3707
T. urticae
on *Gerbera jamesonii* 1501
on hop 1337
thrips
on cacao 1492
on tea 4991
Tirathaba mundella, on oil palm 1991
Trioza erytraeae, on orange 340
Tryporyza nivella, on sugar-cane 267
Xylosandrus compactus, on avocado 332
bioassay for, in *Diaphorina citri* 6749
formulations of
viscosity of 2247
with charcoal 3924
in *Amblyseius longispinosus*, toxicity of 6417
in *Anthocoris nemorum*, toxicity of 5436
in *Apis mellifera*, toxicity of 5807
in *Cardiochiles nigriceps*, toxicity of 964
in *Chrysopa zastrowi*, toxicity of 5469
in *Citrus*, residues of 6749
in citrus groves, non-target effects of 6748

Monocrotophos contd.

- in cotton, residues of 7661
- in *Culex pipiens*
 - bioassay for 7661
 - toxicity of 7660
- in *Daphnia magna*
 - bioassay for 7661
 - toxicity of 7660
- in jute, residues of 7661
- in *Lagenaria vulgaris*, toxicity of 1446
- in *Lixophaga diatraeae*, toxicity of 6026
- in man, effects on choline esterase of 3309
- in *Manduca sexta*, effects on hemolymph of 7088
- in *Megachile pacifica*, toxicity of 1662
- in *Menochilus sexmaculatus*, toxicity of 2294
- in *Momordica charantia*, toxicity of 1446
- in *Nomuraea rileyi*, toxicity of 3823
- in *Phaseolus vulgaris*, residues of 7661
- in pollen, residues of 5807
- in rice-fields, non-target effects of 710
- in sorghum, toxicity of 4871
- in *Spodoptera littoralis*
 - effects of formulation on susceptibility to 7653
 - effects of temperature on susceptibility to 5179
 - effects of test method on susceptibility to 7653
 - excretion of 6396
- in *Stethorus loi*, toxicity of 6417
- in *Vicia faba*, effect of washing on persistence of 5194
- in *Xanthogramma scutellare*, toxicity of 2294
- resistance to, in, *Spodoptera littoralis*, in Turkey 7566
- sunlight inactivation of 7654
- use of, in ULV sprays 2247
- vaporisation of 7654
- with aldicarb, against, *Sundapteryx biguttula*, on eggplant 1477
- with *Bacillus thuringiensis*, against, *Spodoptera littoralis* 961, 1637
- with chlordimeform
 - against
 - Heliothis* spp., on cotton 4374
 - H. virescens* 6399
- with DDT
 - against
 - Dysdercus* spp., on kenaf 900
 - Earias biplaga*, on cotton 3207
 - E. insulana*, on cotton 3207, 7511
 - Heliothis armigera*, on cotton 7511, 7518
 - Oxycareus hyalinipennis*, on kenaf 900
 - Pectinophora gossypiella*, on cotton 7511
 - Podagrica weisei*, on kenaf 900

Monocrotophos contd.

- with dinocap, and dodine, against, *Elasmopalpus lignosellus*, on maize 706
- with disulfoton
 - against
 - pests of pea 6775
 - Sundapteryx biguttula*, on eggplant 1477
- with endosulfan, against, *Agrotis segetum* 511
- with mevinphos, against, *Spodoptera littoralis* 7654
- with oxydemeton-methyl, against, *Saccharosydne saccharivora*, on sugarcane 1934
- with phorate
 - against
 - pests of pea 6775
 - Sundapteryx biguttula*, on eggplant 1477

Monotonus cerasi

- in Poland 322
- parasitising, *Dysaphis plantaginea*, in Poland 322

Monotonus nervosus

- distribution of 1899
- hosts of 1899
- taxonomy of
 - Monotonus paulensis* as synonym of 1899
 - M. secundus* as synonym of 1899

Monotonus paulensis, taxonomy of, synonym of *M. nervosus* 1899**Monotonus pseudoplatani**

- biology of 1891
- in UK 1891
- parasitising, *Drepanosiphum platanoides*, in Scotland 1891

Monotonus secundus, taxonomy of, synonym of *M. nervosus* 1899**monodon, Notoxus****Monodontomerus**

- parasitising
 - Diptera 4402
 - Hymenoptera 4402
 - Hyphantria cunea*, in Yugoslavia 6546
 - Lepidoptera 4402

Monodontomerus aereus

- in USSR 6103
- parasitising, *Euproctis similis*, in Georgia (USSR) 6103

Monodontomerus dentipes

- biology of 4402
- descriptions of 4402
- parasitising
 - Diprion similis*
 - and biological control using in Canada 4402
 - in USA 4402
 - Diptera 4402
 - Hymenoptera 4402

- Monodontomerus dentipes* contd.
parasitising contd.
Lepidoptera 4402
- Monolepta australis*
biology of 2862
in Australia 2862
on *Macadamia*, in Queensland 2862
- Monomorium*, preying on,
Coelaenomenodera elaeidis, in West Africa 1166
- Monomorium minimum*
control of, baits for 2696
in USA 2696
- Monomorium pharaonis*
control of 6857
baits for 7590
growth regulators for 7590
in Japan 2718
in UK 7590
in hospitals, in UK 7590
preyed on by, *Achacaranea tepidariorum*,
in Nagasaki Prefecture 2718
- monophyllae*, *Conophthorus*
- Monopis leuconeurella*
biology of 151, 3643
control of, insecticides for 151, 3643
in India 151, 3643
on *Anacardium occidentale*, in India 151
on mango, in Tamil Nadu 3643
parasitised by, *Cremastus* spp., in India 151
- Monosteira minutula*
in Thailand 1200
on *Ziziphus jujuba*, in Thailand 1200
- Monosteira unicostata*
biology of 430
control of, insecticides for 1406
in Italy 1406
in Yugoslavia 430
migration in 1406
on almond
damage caused by 1406
in Italy 1406
on man, causing dermatitis 1406
on *Populus*, in Yugoslavia 430
on *Salix*, in Yugoslavia 430
- Monotoma quadrifoveolata*
in Yugoslavia 5045
in warehouses, in Yugoslavia 5045
- Montana
Choristoneura occidentalis in, on conifers 5009
Hemerocampa pseudotsugata in 7434
Rhyacionia bushnellii in, natural enemies of 183
- montana*, *Claspettomysia*
- montanus*, *Colladonus*
- montanus*, *Ips*
- montanus*, *Pachynematus*
- montanus*, *Torymus*
- Montmorillonite, menazon in, adsorption of 3934
- montrouzieri*, *Cryptolaemus*
- Moorada*, gen. n., description of 6047
- Moorada ibadensis*
sp. n., description of 6047
in Nigeria 6047
- Moorland, *Mecostibus pinivorus* in, in Rhodesia 6435
- Moraba viatica*
in Australia 4682
speciation in 4682
- Morabinae
literature on 5844
taxonomy of 5844
- morbillosa*, *Rhopaea*
- Morchella esculenta* (stored), pests of, in India 5399
- Morestan (see Quinomethionate)
- morgani*, *Erythroneura*
- mori*, *Bombyx*
- morigerus*, *Xylosandrus*
- Moringa oleifera*, *Indarbela* spp. on, in Haryana 2867
- Mormoniella* (see *Nasonia*)
- Morning glory (see *Ipomoea*)
- Morocco
Aelia germari in, natural enemies of 6005
Aleurothrix floccosus in, on *Citrus* 6124
Aonidiella spp. in, on *Citrus* 5107
A. aurantii in, on *Citrus* 5110
Cinara cedri in, on *Cedrus* 3727
Drosophila melanogaster in 2455
Earias insulana in, on cotton 7511
Heliothis armigera in, on cotton 7511
Parlatoria pergandii in
natural enemies of 6126
on orange 6126
Pectinophora gossypiella in, on cotton 7511
Tetranychus cinnabarinus in 3983, 4606
T. ricinus in 3983, 4606
T. turkestanii in 3983, 4606
T. urticae in 3983, 4606
- mosus*, *Carausius*
- Morphine, in *Rhodnius prolixus*, excretion of 7072
- Morpholine, 2,6-dimethyl-4-tridecyl- (see Tridemorph)
- morrisi*, *Apanteles*
- morrisoni*, *Masonaphis*
- morrisoni*, *Xeris*
- Morrisonia*
biology of 2865
on apple, in New York 2865
on pear, in New York 2865
- Morus alba* (see Mulberry)
- Morus indica*, *Mimastra cyanura* on, in Himachal Pradesh 7177
- Morus nigra* (see Mulberry)
- Morus serrata*, *Mimastra cyanura* on, in Himachal Pradesh 7177

- mosellana*, *Sitodiplosis*
Mosquito (see *Culicidae*)
Moss, *Asura conferta* on, in Karnataka 4762
Moss, Spanish (see *Tillandsia usneoides*)
mossambicus, *Hodotermes*
Moths, preyed on by, *Staphylinidae* 1219
motti, *Empoasca kerri*
Moulting hormones
Bombyx mori 5295
Cephonodes hylas 4672
Choristoneura fumiferana 4662
Leptinotarsa decemlineata 3417
Locusta migratoria 161, 2687
Manduca sexta 7081
Pectinophora gossypiella 6504
Pieris brassicae 4667
Schistocerca americana 738, 742
Tenebrio molitor 53
 bioassay for, in *Chilo suppressalis* 1129
 books on 4061
 insect control using 52, 2258
 steroid synthesis inhibitors as inhibitors of 5883
Mouse
 acetylcholine mustard in, toxicity of 3275
 β -BHC in, metabolism of 5154
 γ -BHC in, metabolism of 5154
 DDT in, metabolism of 1690
 diazinon in, metabolism of 1955
 dimethoate in, effects on chromosomes of 7674
 ethiofencarb in, toxicity of 6973
 glucose in, pesticide inhibition of active transport through intestine of 1686
 insect growth regulators in, degradation of 595
 phosphine in, effects on cell respiration of 6397
 phosphorothioates in, inhibition of hepatic enzymes by 5158
 photodiethylrin in, metabolism of 3298
 preying on, *Rhyacionia neomexicana* 3066
 toxaphene components in, toxicity of 4539
 toxaphene in, toxicity of 531, 1005
Mouse, wood (see *Apodemus sylvaticus*)
Mowilith (see Acetic acid, ethenyl ester, homopolymer)
Mozambique
Ancistrotermes latinotus in dwellings 4232
 on *Eucalyptus* 4232
Citrus in, pest control on 6750
Gonimbrasia belina in, natural enemies of 559
 light-trap grid in 1224
Locusta migratoria in 7171
Psammotermes allocerus in 1312
Schedorhinotermes lamanianus in 1311
MPMC (see Phenol, 3,4-dimethyl-, methylcarbamate)
MTMC (see Carbamic acid, methyl-, 3-methylphenyl ester)
Mucopolysaccharides, in *Pieris brassicae*, role in encapsulation of 4464
Mucor
 in, *Drosophila melanogaster*, pathogenicity of 227
 insecticidal activity of 227
Mucor alternans, DDT in, metabolism of 6419
mucronata, *Blaps*
muehle, *Diuraphis*
muelleri, *Agonum*
Muellerianella brevipennis
 in Netherlands 6529
 on *Deschampsia caespitosa*, in Netherlands 6529
 on *Holcus lanatus*, not able to develop 6529
Muellerianella fairmairei
 in Netherlands 6529
 on *Deschampsia caespitosa*, not able to develop 6529
 on *Holcus lanatus*, in Netherlands 6529
 on rye, development of 6529
 on wheat, development of 6529
muellneri, *Eupelmella*, (*Macroneura*)
mugivora, *Chlorops*
Mulberry (*Morus alba* and *M. nigra*)
Asura conferta on, in Karnataka 4762
Bombyx mori on 5933
Hishimonus sellatus on, in Japan 1801, 2338
Hyphantria cunea on development of 1242
 in Yugoslavia 1594
 Lepidoptera on, susceptibility to *Bacillus thuringiensis* of 4459
Mimastra cyanura on, in Himachal Pradesh 7177
Mulberry-leaf powder
 diet component for
Bombyx mori 5394
Hyphantria cunea 965
Multilure (see α -Cubebene, with 5-ethyl-2,4-dimethyl-6,8-dioxabicyclo[3.2.1]octane, and 4-methyl-3-heptanol)
Multistriatin (see 6,8-Dioxabicyclo[3.2.1]octane, 5-ethyl-2,4-dimethyl-)
multistriatus, *Scolytus*
munda, *Agrotis*
munda, *Liriomyza* (see *L. sativae*)
mundella, *Tirathaba*
mundulus, *Tytthus*
Mung bean (see *Vigna mungo* and *V. radiata*)

Mung bean yellow mosaic virus

in

Aphis craccivora, not transmitted

4952

A. gossypii, not transmitted 4952*Bemisia tabaci*, transmission of 4952,
6776*Myzus persicae*, not transmitted 4952*Phaseolus* spp., infectivity of 4952

soy bean

effects on oil content of 6776

in Uttar Pradesh 4952

Vigna radiata, effects on susceptibilityto *Empoasca kerri* of 7349*V. unguiculata*, infectivity of 4952**Muramidase (see Lysozyme)*****Murgantia histrionica***

biology of 2915

in USA 2915

on crucifers, in North Carolina 2915

muricatum, Embaphion***murinana, Choristoneura******murinanae, Cephaloglypta******Muraya koenigii, Diaphorina citri* on, in**

India 6803

Muraya paniculata*Diaphorina citri* on

damage caused by 6803

in Punjab 6803

Musa

bean vein-banding mosaic virus in

aphid transmission of 2187

symptoms of 2187

Diaspis boisduvalii on, in Colombia 5532*Pentalonia nigronervosa* on, in São Tomé
4208*Tiracola plagiata* on, in Papua New

Guinea 4989

Musa paradisiaca, Acanthopsyche minima

on, in Kerala 2907

musai, Cenopalpus***Musca*, nervous system in 5850*****Musca autumnalis****Dermestes lardarius* on, in Canada 6863

in Canada 6863

Musca domestica

alkaloids in, excretion of 7072

amiton analogues in, toxicity of 5889

Bacillus thuringiensis in, bioassay for
2553

control of

growth regulators for 3876, 6937

inert atmospheres for 7450

insecticides for 531, 1008, 1023, 1034,
2277, 3959, 4559, 5773, 5788, 6953,
6962-6963, 7652

DDT analogues in, metabolism of 7089

diazinon in, metabolism of 1955

digestive enzymes in, detoxification of

Bacillus thuringiensis exotoxin by
1595

ENP in, metabolism of 7089

***Musca domestica* contd.**

environmental catastrophes and genetic

feedback in 4708

enzymes in 1655, 6481

farnesane derivatives in, growth-regulator
activity of 6938-6939

flight activity in, equation for 2510

garlic oil in, toxicity of 518

in Poland 2277

in electric fields, tracking of 7149

insecticide susceptibility in, effects of
herbicides on 5776

JH mimics in, resistance to 1654

on *Ziziphus mauritiana*, pollination by
7181

pesticides in, enzyme induction by 1655

phosphine in, effects on cell respiration of
6397photodieldrin in, metabolism of 3298
preyed on by*Formica polyctena* 1266

Staphylinidae 1219

Tytthus mundulus 3575resmethrin photoproducts in, toxicity of
534

sterilisation of, chemosterilants for 1155

toxaphene components in, toxicity of
4539

toxaphene in, toxicity of 1005

Musca domestica domestica

dimethoate resistance in 3289

pyrethroids in, structure-activity relations
of 4554***Musca domestica vicina* (see *M. d.*
domestica)*****Muscalure* ((Z)-9-tricosene)**

adopted as common name in RAE, p. 9

in fish, toxicity of 5197

in rabbit, toxicity of 5197

in rat, toxicity of 5197

muscarum, Stenomalina***Muscidae****Hymenostilbe dipterigena* in, in Ghana
7495

preying on

Dasychira albondentata, in USSR 1875*Lymantria monacha*, in USSR 1878***Muscina*, in Ontario 378*****Muscina assimilis***

in Poland 1443

on cabbage, in Poland 1443

Muscina pabulorum

in Bulgaria 7189

parasitising, *Mamestra brassicae*, in
Bulgaria 7189***Muscina stabulans***

in Bulgaria 7189

parasitising, *Mamestra brassicae*, in
Bulgaria 7189***muscorum, Leptothorax******musculosa, Oria******musculus, Lacon***

- Museums**, *Reesa vespulae* in, in Fennoscandia 6852
- Musgraveia sulciventris**, scent gland constituents in 41
- Mushroom**
Heteropeza pygmaea on, in Taiwan 809
Lycoriella auripila on effects of compost composition on development of 1924 in UK 1924
mites on, in Italy 6028
pests of 2740
- Mushroom (stored)**, pests of, in India 5399
- musicus**, *Gastrimargus*
- Muskmelon** (see Melon (cantaloupe and musk))
- Mussidia nigrivenella**
descriptions of 6868
in cacao beans, imported into USSR 6868
- Mustard**
Athalia lugens on, in Uttar Pradesh 353
Bagrada hilaris on in Delhi 858 in Pakistan 2048 in Uttar Pradesh 353
Lipaphis erysimi on 4545 in Delhi 858 in Uttar Pradesh 353
Pieris rapae on, in New Zealand 3649
- Mustard (*Brassica campestris*)**
Thrips flavus on, in Himachal Pradesh 4715
T. kodaikanalensis on, in Himachal Pradesh 4715
- Mustard (*Brassica juncea*)**
Lipaphis erysimi on damage caused by 3080 in West Bengal 3080
pests of, in North Carolina 2915
Phytomyza horticola on, in Punjab 354
- Mustard oil**
in *Pieris brassicae*, accumulation of 1781
in *Pieris rapae*, accumulation of 1781
repellent for, *Pegomya betae* 1660
- mutabilis**, *Campoplex*, (*Omorgus*)
- Mutagens**
captan 7679
chlordimeform metabolites 7679
2,4-D ethyl ester 7679
DDD 7679
promecarb metabolites 7679
- mutica**, *Leptoypha*
- mutica**, *Magrettia*
- mutillatus**, *Carpophilus*
- mutillatus**, *Pipunculus*
- Mya arenaria**, DDE in, residues of 6409
- MYC 8005**, against, *Tetranychus urticae* 4185
- myceliophagus**, *Tarsonemus*
- Mycetaspis bezerrai**
sp. n., description of 1719
- Mycetaspis bezerrai** contd.
in Brazil 1719
on *Anacardium occidentale* damage caused by 1719 in Brazil 1719
- Mycetaspis personata**
biology of 1381
in Egypt 1381, 7283
on *Ficus nitida*, development of 1381
on fruit trees, in Egypt 1381
on *Hedera helix*, development of 1381
on palms, in Egypt 1381
on pumpkin, development of 1381
parasitised by, *Aphytis chrysomphali*, in Egypt 1381
preyed on by, *Chrysopa carnea*, in Egypt 1381
- Mycetophagidae**, in *Ephestia kuehniella* nests 4712
- Mycodiplosis hemileiae**
in Malagasy Republic 3018
in South Africa 3018
in Tanzania 3018
on coffee consuming spores of rust 3018 in Africa 3018
- Mycodiplosis silvana**
in USA 5669
on *Pinus elliottii*, in Florida 5669
on *Pinus palustris*, in Florida 5669
- Mycodiplosis thoracica**
in USA 5669
on *Pinus elliottii*, in Florida 5669
on *Pinus palustris*, in Florida 5669
- mycophagus**, *Caloglyphus*
- mycophagus**, *Microtermes*
- Mycophila speyeri**
control of, insecticides for 2740
on mushroom 2740
- Mycoplasmatales** (including mycoplasma-like organisms)
associated with
aster yellows 461
citrus vein-phloem degeneration disease 727
clover phyllody 1576
coconut lethal yellowing disease 6087
green petal disease 5719
peach western X-disease 2185, 3123-3124, 3496
sugar-cane white leaf disease 256, 6035
- EPPO** quarantine lists for 3875
- hosts of 4457
- in
Drosophila paulistorum 476
grapevine 7481
potato, in USSR 6167
transmission of 4457
- Mycopsylla gardenensis**
in India 5575

- Mycopsylla gardenensis* contd.
on *Ficus tomentosa*
in Tamil Nadu 5575
leaf-margin-roll galls of 5575
- Mycostatin** (see Nystatin)
- myeloenta**, *Apanteles*
- Myelophilus destruens* (see also *Tomicus destruens*)
control of, trap trees for 419
in Spain 419
on *Pinus*, in Spain 419
- Myelophilus minor* (see *Tomicus*)
- Myelophilus piniperda* (see *Tomicus*)
- Myiocnema comperei*
in Australia 225
parasitising, *Saissetia oleae*, in Queensland 225
- Myiopardalis pardalina*, control of 3219
- Mylabris phalerata*, amino acids in haemolymph of 1753
- Mylabris pustulata*
in India 3731
on *Tecoma stans*, in Uttar Pradesh 3731
- Mylocerus**
control of, insecticides for 6778
on soy bean, in India 6778
- Mylocerus discolor*
in India 6683
on maize, in Karnataka 6683
- Mylocerus discolor variegatus*
in India 2097
on jute
in Tamil Nadu 2097
species preferences of 2097
- Mylocerus maculosus* (see *M. undecimpustulatus maculosus*)
- Mylocerus undecimpustulatus*
in India 2097
on jute
in Tamil Nadu 2097
species preferences of 2097
- Mylocerus undecimpustulatus maculosus*
control of, insecticides for 1484, 3008, 3713, 6188
in India 1484, 3008, 3713, 6160, 6188
on cotton
in Haryana 3008
in Punjab 1484, 6188
in Tamil Nadu 3713
on eggplant, in Tamil Nadu 3713
on soy bean
damage caused by 6160
in Uttar Pradesh 6160
varietal preferences of 6160
- Mylocerus viridanus*
in India 2097
on jute
in Tamil Nadu 2097
species preferences of 2097
- Mylochilus causinus*, DDE in, residues of 6409
- Mymaridae**
in sugar-beet fields
effects of insecticides on 3299
in Poland 3299
- Mynah**, common (see *Acridotheres tristis*)
- Myobiopsis arturi**
sp. nov., description of 6438
in Brazil 6438
parasitising, *Diatraea* spp., in Brazil 6438
- myopaeformis*, *Synanthedon*
- Myoporum pictum*, *Brevipalpus obovatus* on, development of 3440
- Myrcene** (see 1,6-Octadiene, 7-methyl-3-methylene-)
- β-Myrcene** (see 1,6-Octadiene, 7-methyl-3-methylene-)
- Myriapoda**
in soil, in Egypt 4206
preying on, *Luperus pinicola*, in West Germany 4420
- Myriochile melancholica*
flight activity in 3472
in Egypt 3472
seasonal abundance of 3472
- Myriophyllum spicatum*
Litodactylus leucogaster on, and biological control using 3563
Parapoynx allionealis on, in Florida 2747, 3563
P. stratiotata on
and biological control using 3563
in Yugoslavia 2747
- Myristic acid** (see Tetradecanoic acid)
- Myrmarachne japonica*
in Japan 1932
preying on, *Cosmopterix phyllostachysea*, in Ishikawa Prefecture 1932
- Myrmecaria natalensis*
in South Africa 1265
poison-gland secretion of 1265
- Myrmicinae**, *Hymenostilbe longispora* in, in Ghana 7495
- Myrmicini**
activity in 4765
mating in 4765
- Myrothecium*, in, *Tenebrio molitor*, pathogenicity of 4159
- Myrothecium verrucaria*
in, timber, effects on termites of 7210
insecticidal activity of extracts of 4549
- Myrtle**
Ceroplastes rusci on, in France 2722
Saissetia oleae on, in France 2722
- mystax**, *Deltocephalus*
- Mythimna loreyi*
development in, effects of temperature on 6039
in Egypt 4836
in Japan 6039
on maize
in Egypt 4836

***Mythimna loreyi* contd.**

- on maize *contd.*
- in Japan 6039
- on sorghum, in Japan 6039
- seasonal abundance of 4836

Mythimna separata

- control of 6690
- insecticides for 3188
- cuticle in, control of melanisation of 5869
- descriptions of 3579
- development in, effects of temperature on 6039
- eyes in, effects of UV on 6499
- in India 6683, 6686, 6690
- in Japan 547, 2668, 6039
- in New Zealand 3188, 3579, 3972
- in pastures
 - damage caused by 3579
 - in New Zealand 3579, 3972
- larval colouration in, hormonal control of 50
- life-cycle of 3579
- migration in 2668
- nuclear polyhedrosis virus in, infectivity of 2239
- on barley, in New Zealand 3188
- on *Eleusine coracana*
 - damage caused by 6686
 - in Karnataka 6686
- on grain crops
 - damage caused by 3579
 - in New Zealand 3579
- on maize
 - in Karnataka 6683
 - in New Zealand 3188, 3972
- on rice, in India 6690
- parasitised by
 - Apanteles ruficrus*, and biological control using, in New Zealand 3972
 - Meloboris leucaniae*, in Japan 547
- population density of, effects on larval colouration of 50
- preyed on by, *Passer* spp. 5367
- RNA virus in, effects of 3134

Mythimna turca

- illustrations of 2002
- in South Korea 2002
- on grapevine, in South Korea 2002

Mythimna unipuncta

- antennal humidity receptors in 2432
- biology of 6077
- control of, insecticides for 1931, 2793, 5486, 6663
- development in
 - effects of larval group size on 2518
 - effects of photoperiod and temperature on 2518
- granulosis virus in 2231
 - enzyme synergist for 2240
 - enzymes in 6338

***Mythimna unipuncta* contd.**

- granulosis virus in *contd.*
- in California 472
- in Canada 2793
- in France 548
- in Iran 1931, 6663
- in Mexico 1164
- in USA 472
- in USSR 5486, 6077
- in pastures
 - in Iran 6663
 - in Soviet Far East 6077
- life history of 6629
- nuclear polyhedrosis virus in
 - effects of granulosis virus on 2231
 - enzyme synergist for 2240
 - in California 472
 - synergistic enzyme for 6338
- on grasses, in Khabarovsk 5486
- on lucerne, in California 472
- on maize
 - in Iran 1931, 6663
 - in Khabarovsk 5486
 - in Ontario 2793
- parasitised by
 - Apanteles militaris* 6629
 - Archytas apicifer* 3621
 - Exorista larvarum*, in France 548
 - Ichneumonidae, in Soviet Far East 6077
 - Pales pavidus*, in France 548
 - Pimpla instigator* 6006
 - Tachina fera*, in France 548
 - Tachinidae, in Soviet Far East 6077
 - Therion circumflexum* 1889
- traps for 1164
- mytilaspidis*, *Aphytis*
- Mytilus edulis*, DDE in, residues of 6409
- Myzaphis rosarum***
 - in UK 5978
 - on rose, in Northern Ireland 5978
- Myzocallis castanicola***
 - descriptions of 2006
 - in Italy 2006
 - life-cycle of 2006
 - on *Castanea sativa*, in Italy 2006
 - taxonomy of 2006
- Myzocallis coryli***
 - biology of 3356
 - in Chile 3356
 - on *Corylus*, in Chile 3356
- Myzodes ascalonicus*** (see *Myzus*)
- Myzodes persicae*** (see *Myzus*)
- Myzus ascalonicus***
 - beet mild yellowing virus in, transmission of 3117
 - beet yellows virus in, transmission of 3117
 - in Bulgaria 1390
 - in Poland 7138
 - in UK 3679
 - on strawberry, in Bulgaria 1390

- Myzus certus*, beet yellows virus in, transmission of 3117
- Myzus humuli*
biology of 4821
celery (western) mosaic virus in, transmission of 3113
control of
insecticides for 226, 1337, 1630, 3155, 3942–3944, 3957, 4820, 7220, 7613
JH mimics for 2444, 3155
formothion resistance in, in Poland 5120
in Czechoslovakia 2444, 7613
in Poland 226, 4821, 5120, 6648
in Switzerland 3155
in UK 3943–3944, 3967, 7220
in USA 1337, 4820
in West Germany 1630, 3206
insecticide resistance in
in Czechoslovakia 7613
in West Germany 3206
migration in 1630
on hop
forecasting infestations of 1630
in Czechoslovakia 2444, 7613
in England 3942–3944
in Poland 226, 4821, 5120, 6648
in Switzerland 3155
in UK 3967, 7220
in Washington 1337, 4820
in West Germany 1630
resistance to 3967
on plum, in Poland 4821
on *Prunus spinosa*, in Poland 4821
plum pox virus in, transmission of 5720
population density of 1630
- Myzus ornatus*
hyperparasites of, in New Zealand 1895
in New Zealand 1895
in Poland 7138
in UK 5601, 6092
on raspberry
in Scotland 5601
in UK 6092
- Myzus persicae*
alarm pheromone in 600, 7061
alate production in 619
effects of photoperiod on 1190
ants associated with, in Japan 3837
bean common mosaic virus in, transmission of 6878
bean yellow mosaic virus in, transmission of 7480
beet mild yellowing virus in, transmission of 3117
beet viruses in, transmission 5611
beet yellows virus in, transmission of 3117
biology of 325, 2966, 3836, 6906
cabbage viruses in, transmission of 4930
carnation yellow fleck virus in, transmission of 459
- Myzus persicae* contd.
celery (western) mosaic virus in, transmission of 3113
control of 2958
biological 1291, 6906
cultural measures for 3681
growth regulators for 6739, 7613
insecticides for 181, 325, 397–398, 1407, 1451, 1501, 1661, 1670, 2053, 2282, 2664, 2947, 3695, 3837, 3939, 3958, 4345, 4557, 4921, 4925, 4970, 5610, 5620, 6170–6171, 7321, 7576, 7599, 7613
integrated 6906, 7537, 7580
JH mimics for 3155
reflective mulches for 4456, 4925
cowpea aphid-borne mosaic virus in, transmission of 7352
cowpea banding mosaic virus in, transmission of 2053
cowpea necrosis virus in, transmission of 2053
cucumber mosaic virus in, transmission of 3122, 4925, 5069
dasheen mosaic virus in, transmission of 1472
datura enation mosaic virus in, transmission of 907
development in, effects of temperature on 5358
dimethoate resistance in 1745
genetics of 7578
in England 5191
in UK 7575–7576
stability of 606
embryo chromosomes in, incorporation of thymidine into 1110
Entomophthora aphidis in, pathogenicity of 6884
E. virulenta in
in Puerto Rico 3137
pathogenicity of 3137
Entomophthorales in, in Italy 1407
enzymes in 1745, 7575, 7577–7578
Erysimum latent virus in, not transmitted 6146
excretion in 5877
fecundity in, effects of temperature on 5358
feeding behaviour in 1172
effects of plant secondary substances on 6383
flight activity in 457, 5611
formothion resistance in, in Poland 512
green gram mosaic virus in, transmission of 860
groundnut mottle virus in, transmission of 3119
groundnut stunt virus in, transmission of 3120
henbane mosaic virus in, transmission of 4454

Myzus persicae contd.

- holocyclic reproduction in 6787
- hyperparasites of, transfer of radiocarbon to 5927
- in Australia 1451, 2966
- in Brazil 679, 2072, 4970
- in Bulgaria 181, 383, 397, 1390
- in Canada 398
- in Czechoslovakia 1291, 4921, 7613
- in East Germany 2958, 5610-5611, 5620, 7376
- in Egypt 3690
- in Finland 5635
- in France 2947, 5460, 7156, 7548
- in India 907
- in Israel 4456
- in Italy 1407-1408, 6746, 7321
- in Japan 3836-3837, 4078
- in Kenya 3802
- in Norway 205, 4796
- in Peru 176
- in Philippines 711
- in Poland 512, 1501, 1926, 5120, 7138
- in Puerto Rico 3137, 3695
- in Solomon Islands 1472
- in South Korea 1879, 1881
- in Spain 7537
- in Switzerland 2071, 3155, 6787
- in Turkey 6038
- in UK 799, 3679, 3938-3939, 3958, 4078, 4345, 4348, 4352, 4961, 5191, 5623, 7575-7576, 7580-7581, 7599
- in USA 457, 878, 2968, 3119, 3633, 3680-3681, 3958, 4078, 4557, 4925, 7359
- in USSR 325, 6167, 6354-6355
- in Venezuela 6171
- in West Germany 3206
- in carrot fields, in France 7156
- insecticide resistance in
 - in Czechoslovakia 7613
 - in Poland 5120
 - in West Germany 3206
- juvenoid resistance in, not found 2444
- lily symptomless virus in, transmission of 943
- maize dwarf mosaic virus in, transmission of 6053
- maize mosaic virus in, transmission of 6038
- malaoxon in, metabolism of 5790
- methyl-demeton-S resistance in
 - in England 5191
 - in UK 7575-7576
- migration of 4961
- mung bean yellow mosaic virus in, not transmitted 4952
- on almond, in Italy 1407-1408
- on *Amaranthus retroflexus*, in Washington 3633
- on apple, in Ukraine 325

Myzus persicae contd.

- on beet
 - development of 5996
 - in East Germany 5610-5611
 - in France 2947
 - in UK 3679, 7580
 - resistance to 7580
- on brussels sprouts 2920
 - development of 5358, 6766
- on cabbage 2282
 - in Czechoslovakia 4921
- on *Capsicum*
 - in Bulgaria 383
 - in Finland 5635
 - in Moldavia 6355
- on *Capsicum annum* 205, 5899
 - development of 2555
 - in Israel 4456
 - in Norway 4796
 - in Puerto Rico 3695
- on carrot 7369
 - in Czechoslovakia 4921
- on cauliflower, feeding by 5342
- on *Chenopodium album*, in Washington 3633
- on Chinese cabbage, rearing of 664, 2968, 5465
- on chrysanthemum 768
 - in England 3938-3939, 7581
 - in Norway 205
 - in UK 6427
- on *Citrus*, in Italy 6746
- on *Colocasia esculenta*, in Solomon Islands 1472
- on Cruciferae, in Poland 1926
- on crucifers, in Switzerland 6787
- on cucumber, feeding by 5342
- on eggplant, in Moldavia 6354-6355
- on *Gerbera jamesonii*, in Poland 1501
- on groundnut, in Georgia (USA) 3119
- on kale, uptake of radiocarbon by 5927
- on kohlrabi 2920
- on lettuce, in New York 4557, 4925
- on *Malva sylvestris*, in Italy 1408
- on passion fruit, in Kenya 3802
- on pea, in New South Wales 1451
- on peach
 - in France 7548
 - in Italy 7321
 - in Japan 3837
 - in Switzerland 2071, 6787
 - in Washington 3633
- on *Phaseolus*, in New South Wales 1451
- on plum, in Italy 1408
- on potato 6170
 - feeding by 5342
 - in Brazil 2072, 4970
 - in Czechoslovakia 7613
 - in East Germany 2958, 7376
 - in Egypt 3690
 - in Maine 878, 2968, 3680-3681
 - in Moldavia 6355

Myzus persicae contd.

- on potato contd.
 - in Queensland 2966
 - in Switzerland 2071, 6787
 - in UK 4352
 - in USA 3958
 - in USSR 6167
 - in Venezuela 6171
- on radish, development of 5996
- on rape
 - in France 5460
 - uptake of radiocarbon by 5927
- on rose, in England 3939
- on Solanaceae, in Brazil 2072
- on *Solanum*
 - resistance to 502
 - evaluation of 4964
- on *Solanum berthaultii*, trapped by hairs 5623
- on *Solanum polyadenium*, trapped by hairs 5623
- on *Solanum tuberosum* × *S. berthaultii*, trapped by hairs 5623
- on strawberry, in Bulgaria 1390
- on sugar-beet
 - feeding by 5342
 - in Czechoslovakia 7613
 - in East Germany 5610, 5620
 - in England 799, 3958, 4345, 4348, 4961, 5191
 - in Switzerland 3155
 - in UK 3679, 7575-7576, 7599
 - probing by 2066
 - resistance to 4348
 - evaluation of 2953
- on tobacco
 - in Bulgaria 181, 397
 - in East Germany 5620
 - in Japan 3836
 - in Ontario 398
 - in Poland 512
- on tomato
 - effects of ground cover on 679
 - in Brazil 679
 - in Moldavia 6354-6355
- on *Vicia faba*, feeding by 5342
- on *Vicia narbonensis* 3659
- on watermelon, in Florida 457
- on weeds, in Indiana 7359
- overwintering in 4961
- papaw mosaic virus in, transmission of 5589
- paraoxon in, metabolism of 5790
- parasites of 69, 1291
 - transfer of radiocarbon to 5927
- parasitised by
 - Aphidiidae, in Czechoslovakia 1291
 - Aphidius colemani* 4796, 5899
 - A. ervi* 4796
 - A. gifuensis*, in Japan 3836
 - A. matricariae* 2555, 5465
 - and biological control using 970

Myzus persicae contd.

- parasitised by contd.
 - Aphidius matricariae* contd.
 - and biological control using contd.
 - in England 3938
 - in Bulgaria 383
 - Braconidae, and biological control using, in Maine 2968
 - Diaeretiella rapae* 664, 5927, 5996
 - in Japan 3836
 - Ephedrus* spp., in Italy 1407
 - E. cerasicola*, in Norway 205
 - Praon* spp. 664
- parathion resistance in 5790
- pea mosaic virus in, transmission of 455-456, 5726
- pepper mottle virus in, transmission of 3111
- Physalis peruviana* mosaic virus in, transmission of 5724
- plum pox virus in, transmission of 4455, 5720
- population density of 1881
- population dynamics of 2072, 3837
- population vigour in, effects of environment on 2555
- potato leaf roll virus in
 - in Brazil 679
 - in Maine 3680-3681
 - transmission of 1574, 2071-2072, 3680-3681, 6171
- potato mosaic virus in, transmission of 2071
- potato virus Y in
 - persistence of 5727
 - transmission of 2072, 5727, 6786
- predators of
 - effects of insecticides on 181
 - in Italy 1407
 - in Maine 878
- preyed on by
 - Adalia bipunctata* 2494
 - and biological control using 5451
 - Aphidoletes aphidimyza* 2920, 3832, 4110, 5261
 - Carabidae, in England 799
 - Chrysopa carnea* 768
 - and biological control using
 - in Finland 5635
 - in Moldavia 6354-6355
 - C. septempunctata*, in Japan 3836
 - Coccinella quinquepunctata* 5451
 - C. septempunctata* 2282
 - and biological control using 5451
 - in Finland 5635
 - in Japan 3836
 - Coccinellidae, in New South Wales 1451
 - Deraeocoris flavilinea*, in Italy 1408
 - Episyrphus balteatus*, in Japan 3836
 - Kimminsia subnebulosa* 5460
 - Metasyrphus corollae* 201

***Myzus persicae* contd.**

preyed on by *contd.*

Micromus angulatus 6021

Propylea quatuordecimpunctata 5451

Scymnus ferrugatus, in Japan 3837

S. ishidae, in Japan 3837

Syrphus ribesii 201

progeny of, transfer of radiocarbon to 5927

rearing of, diets for 1836, 5924

seasonal abundance of 1879, 3690

sexual forms of 711

sexual morphs in, effects of photoperiod on 1190

soy bean mosaic virus in, transmission of 864, 7359

stylets in, amputation of 2551

sunflower chlorotic disease virus in, transmission of 2082

survival in, effects of plant secondary substances on 6383

thiometon resistance in, in Poland 512

tobacco etch virus in, transmission of 1573

tobacco vein-mottling virus in, transmission of 460

tomato aspermy virus in, transmission of 5071

translocations in 4078

traps for 711, 1879, 1881, 2072, 3679, 4925

evaluation of catches in 7156

triglycerides in 69

turnip mosaic virus in, transmission of 456, 1929, 5725

Verticillium lecanii in, and biological control using, in UK 6427, 7581

watermelon mosaic virus in, transmission of 457

wing development in

effects of JH mimics on 593

effects of moulting hormones on 593

zinnia mild mottle virus in, transmission of 1502

N-2596 (see Phosphonodithioic acid, ethyl-, S(4-chlorophenyl) O-ethyl ester)

NAA (1-naphthaleneacetic acid)

in *Metaseiulus occidentalis*, toxicity of 6109

Nabidae

in soy-bean fields

in South Carolina 2934-2935, 4949

sampling of 2935

preying on

Crioceris asparagi, in Massachusetts 3647

Heliothis armigera, in Thailand 3176

Nabis

disulfoton in, toxicity of 3202

in cotton fields, effects of interplanted grain crops on 3706

in sorghum fields, in Texas 7276

***Nabis* contd.**

in soy-bean fields, in South Carolina 365

insecticides in, toxicity of 3915

preying on

Acyrtosiphon pisum, in California 5528

Heliothis virescens, in Oklahoma 3706

H. zea, in Oklahoma 3706

Therioaphis trifolii, in California 5528

seasonal abundance of 365

Nabis alternatus

biology of 1168

in USA 1168, 4291

in lucerne fields, in California 4291

parasitised by

Hyalomya aldrichii, in Arizona 1168

Leucostoma simplex, in Arizona 1168

Wesmaelia pendula, in Arizona 1168

Nabis americanoferus

biology of 1168

in USA 1168, 4291

in lucerne fields, in California 4291

parasitised by

Hyalomya aldrichii, in Arizona 1168

Leucostoma simplex, in Arizona 1168

Wesmaelia pendula, in Arizona 1168

Nabis capsiformis

biology of 1168

in USA 1168, 2939

in soy-bean fields, in South Carolina 2939

parasitised by

Hyalomya aldrichii, in Arizona 1168

Leucostoma simplex, in Arizona 1168

preying on, *Epilachna varivestis* 2939

Nabis ferus

in Bulgaria 5650

preying on, *Thrips tabaci*, in Bulgaria 5650

Nabis pseudoferus

in Bulgaria 279, 1939, 2262, 5650

preying on

Acyrtosiphon pisum, in Bulgaria 2262

aphids, in Bulgaria 1939

Phytobia incisa, in Bulgaria 279

Thrips tabaci, in Bulgaria 5650

Nabis roseipennis

in USA 2939, 4949

in soy-bean fields

effects of insecticides on 4949

in South Carolina 2939, 4949

preying on, *Epilachna varivestis* 2939

Nabis stenoderus

in Japan 870

preying on, *Mamestra brassicae*, in Japan 870

nacheri*, *Ephedrus***Nacoleia octasema***

biology of 2906

descriptions of 2906

in Australia 2906

- Nacoleia octasema** contd.
on banana, in Queensland 2906
- NADH**, in rabbit, association of mirex with 6946
- NADPH**, in rat liver, required for toxaphene metabolism 6949
- Naled** (1,2-dibromo-2,2-dichloroethyl dimethyl phosphate)
against
Ammalo helops, on *Ficus* 5574
Chalcodermus bimaculatus, on *Vigna unguiculata* 4946
Cicinnus callipius, on *Anacardium occidentale* 4892
Dacus cucurbitae 4507
D. dorsalis 4508
D. zonatus 3227
Hylemya spp., on radish 355
Keiferia lycopersicella, on tomato 882
Lacanobia oleracea 1598
Neodiprion tsugae 520
pests of cotton 2092
Phyllotreta spp., on radish 355
Quadraspidiotus perniciosus, on apple 328
Thrips tabaci 3027
Trialeurodes vaporariorum 490
Udea ferrugalis 5591
formulations of, thermal decomposition of 1628
in *Apanteles plutellae*, toxicity of 3651
in grapevine, residues of 2857
in soil, residues of 2857
with dimethoate
against
Liriomyza trifolii
on celery 4923
on lettuce 4923
with endosulfan, against, *Aceria phloeocoptes*, on plum 848
with toxaphene, against, *Keiferia lycopersicella*, on tomato 882
- Nalepella**, on *Picea abies*, damage caused by 3769
- Nalepellidae**
fam. nov. 2325
taxonomy of 2326
- Nalidixic acid** (1-ethyl-1,4-dihydro-7-methyl-4-oxo-1,8-naphthyridine-3-carboxylic acid)
against, *Serratia marcescens* 3128
- Namangana pectinicornis** (see *Episammia*)
- nana**, *Trichogrammatoida*
- nanella**, *Recurvaria*
- Nanophyes**
biology of 1322
food-plants of 2148
in Malaysia 2148
on *Ludwigia adscendens*
and biological control using 1322
in India 1322
- Nanophyes nigrifolius** 1322
- nanulus**, *Neodiprion*
- nanus**, *Phloeosinus*
- Naphthalene**
against
Taeniothrips simplex 3027
on *Gladiolus* 7408
method for adding to insect collections 6584
- 1-Naphthaleneacetic acid** (see NAA)
- 1,4-Naphthalenediol**
in man, carbaryl metabolite 1058
1-(methylcarbamate), in man, carbaryl metabolite 1058
- 1,5-Naphthalenediol**
1-(methylcarbamate)
in man, carbaryl metabolite 1058
in *Megachile pacifica*, carbaryl metabolite 1667
- 1,4-Naphthalenedione**
antifeedant for
Neodiprion rugifrons 5765
N. swainei 5765
- 1,4-Naphthalenedione, 2-hydroxy-**
antifeedant for
Neodiprion rugifrons 5765
N. swainei 5765
- 1,4-Naphthalenedione, 5-hydroxy-**
antifeedant for
Neodiprion rugifrons 5765
N. swainei 5765
- 1,4-Naphthalenedione, 2-methyl-**
antifeedant for
Neodiprion rugifrons 5765
N. swainei 5765
- 1,4-Naphthalenedione, 2-methyl-3-(3,11,15-tetramethyl-2-hexadecenyl)-**
antifeedant for
Neodiprion rugifrons 5765
N. swainei 5765
- 1,5,6-Naphthalenetriol, 5,6-dihydro-**
1-(methylcarbamate)
in man, carbaryl metabolite 1058
in *Megachile pacifica*, carbaryl metabolite 1667
- 1-Naphthalenol**
in bacteria, metabolism of 1706
in man, carbaryl metabolite 1058
in *Megachile pacifica*, carbaryl metabolite 1667
in soil, carbaryl metabolite 4580
in *Spodoptera littoralis*, effects on egg production of 3267
microbial degradation of 6944
acetate, in *Spodoptera littoralis*, effects on egg production of 3267
methylcarbamate (see Carbaryl)
- 2-Naphthalenol**, in *Spodoptera littoralis*, effects on egg production of 3267
- 2(1H)-Naphthalenone, 3,4-dihydro-4-hydroxy-**, in bacteria, 1-naphthalenol metabolite 1706

1,8-Naphthyridine-3-carboxylic acid, 1-ethyl-1,4-dihydro-7-methyl-4-oxo- (see Nalidixic acid)

napi, Ceutorhynchus

napi, Pieris

Napomyza carotae
biology of 2068
in UK 2068
on carrot, in England 2068
parasitised by, *Phygadeuon punctiventris*, in England 2068

Naptalam (2-[(1-naphthalenylamino)carbon-yl]benzoic acid)
antifeedant for
Heliopsis armigera, on *Ricinus communis* 6424
Spodoptera littoralis, on *Ricinus communis* 5767
in *Spodoptera littoralis*, effects of 5767

naqvii, Atherigona

Naranga aenescens
biology of 4850
in Japan 4850
on rice, in Akita Prefecture 4850
traps for 4850

naranyae, Itoplectis

Narcissus
Steneotarsonemus laticeps on
damage caused by 7407
in UK 7407
Thrips flavus on, in Himachal Pradesh 4715

Narcissus (stored bulbs)
Eumerus spp. in, imported into India 6199
Rhizoglyphus echinopus in
imported into India 6199
in Scotland 5655
Sclerotinia narcissicola in, in Scotland 5655
Steneotarsonemus laticeps in
in England 5411
in Scotland 5655

Narcissus tazetta, Thrips flavus on, in Himachal Pradesh 4715

nardi, Icerya pilosa (see *I. pilosa*)

naso, Parnara

Nasonia, genetics of 5312

Nasonia vitripennis
flight activity in 4217
parasitising, *Sarcophaga argyrostoma* 1811
photoperiodic clock in 1811

Nasonovia ribisnigri, rearing of, diets for 5924

nassata, Dictyla

nasturtii, Aphis

nasturtii, Contarinia

Nasturtium (see *Tropaeolum*)

Nasturtium
Barbicoryne barbareae on, in Himachal Pradesh 7135

Nasturtium contd.

Gastrophysa atrocyanea on 2753

Nasturtium officinale (see Watercress)

nasuta, Drosophila

Nasutitermes
in Bangladesh 4593
taxonomy of 4593

Nasutitermes exitiosus
caste differentiation in, effects of JH mimics on 1316
control of
creosotes for 2175
JH mimics for 1316
in Australia 3106
in *Eucalyptus obliqua* timber 2175
in *Eucalyptus regnans* timber 2175
in power-transmission poles, in Queensland 3106
in wood, species preferences of 4719

Nasutitermes kaudernianus, taxonomy of, transferred to *Kaudernitermes* 1920

Nasutitermes magnus
in Australia 3106
in power-transmission poles, in Queensland 3106

Nasutitermes nigriceps
in timber, effects of soft-rot fungi on 7210
incipient colony development in 4235

Nasutitermes walkeri
in Australia 3106
in power-transmission poles, in Queensland 3106

natalensis, Myrmecaria

natalicola, Bathycoelia (see *B. bequaerti*)

naulti, Cecidophyes

Naupactus xanthographus
biology of 687
control of, insecticides for 687
in Chile 687
on grape vine, in Chile 687
on peach, in Chile 687

Nauphoeta cinerea, farnesane derivatives in, growth-regulator activity of 6939

nausicae, Tipula

Nausinoe geometralis
in Pakistan 1893
on *Jasminum sambac*, in Pakistan 1893
parasitised by, *Goniozus rugosus*, in Pakistan 1893

Nausinoe perspicata
in Pakistan 1893
on spinach, in Pakistan 1893
parasitised by, *Goniozus rugosus*, in Pakistan 1893

nauticaa, Aegeria

nawai, Pediobius (see *P. pyrgo*)

Neanastatus, parasitising, *Asphondylia* spp., in Gujarat 2062

Neanastatus gracillius 3596

Neanastatus grallarius

- in Thailand 3596
parasitising, *Orseolia oryzae*, in Thailand 3596

Near East, Pentatomidae in, on grain crops 1347**Neartic region**

- Aphrodina in 3984
Cecidomyiidae in 5994
Formica spp. in 3998
Phaenocarpa spp. in 5834
Stomatosematidi in 1104

nearctica, Nomophila***nearctica, Plecia*****Nebraska**

- Cicadellidae in, on lucerne 309
Diabrotica longicornis in, on maize 2794
D. virgifera in 1742
on maize 309, 2794
Diatraea grandiosella in 6425
Euxoa detersa in, on maize 6598
Melanoplus sanguinipes in 473
Ostrinia nubilalis in, on maize 3591
Rhyacionia bushnellii in, natural enemies of 183

Nebria brevicollis

- in UK 4772
in West Germany 6007
in grain fields, in England 4772
preying on
aphids, in England 4772
Coleoptera, in England 4772

Nebria chinensis

- in Japan 1358
preying on, *Chilo suppressalis*, in Japan 1358

nebulosa, Cassida***nebulosa, Mesosa******nebulosus, Brachytarsus*, (*Anthrabus*)*****nebulosus, Deraeocoris******nebulosus, Leiopus******Necremnus plumiferae***

- sp. n., description of 4598
in Switzerland 4598
parasitising, *Ptilocephala plumifera*, in Switzerland 4598

Necrobia rufipes

- development of, effects of sodium chloride on 5700
in Nigeria 1534, 4426–4427
in dried fish, in Nigeria 1534, 4426–4427
in fish meal, development of 5700

Necrosis

- in *Locusta migratoria* gonads, caused by tepa 7102
in *Lumbricus terrestris* muscles, caused by carbofuran 2307
in *Tetranychus urticae* ovaries, caused by apholate 78

Nectarine (*Prunus persica* var. *nectarina*)

- Carpophilus mutilatus* on, in California 5554

Nectarine contd.

- Cydia molesta* on
brown rot associated with 5554
in California 5554
Haptonchus luteolus on, in California 5554
Sclerotinia fructicola in, in California 5554

Nectria

- in
Cryptococcus fagi, transmission of 2156

- Fagus* spp., in UK 2156

Nectria episphearia, in, scale insects, in Japan 2238***Nectria galligena***, vectors of 5978**Neem** (see *Azadirachta indica*)**Nefusan** (see Dazomet)***neglecta, Apomecyna*** (see *A. saltator*)***neglectus, Nesosteles*, (*Balclutha*)****Nekiriton** (see Trichlorophon)**Nemafo**s (see Thionazin)**Nematinae**

- in Romania 2631
on *Picea*, in Czechoslovakia 1528

Nematini

- biology of 4998
distribution of 4998
keys to 4998
on *Picea*, in Austria 4998

Nematocera, in sugar-beet fields, effects of aphicides on 6165**Nematoda** 7334***Contortylenchus elongatus*** 6833***C. grandicollis*** 6833***Hexameris albicans*** 7431***Meloidogyne incognita*** 7398***Parasitaphelenchus*** 6833***Parasitylenchus avulsi*** 6833**Nematodes**

- EPPO quarantine lists for 3875
groundnut pod rot, role of, in 120
in

- Citrus* spp., in Greece 5096
grapevine 2594

insects 2732

- in Puerto Rico 3137
pastures, effects of insecticides on 2833

potato, in USSR 6167**soil** 5931**Tipulidae, in UK** 7589***Tomiscus minor***, in Poland 5006***T. piniperda***, in Poland 5006

- keys to 957
lucerne viruses in, transmission of 4295
soil fungi in, pathogenicity of 227

Nematospora coryli

- in
Pentatomidae, in Iran 3808
Spilostethus pandurus, in Iran 3808

- Nematus bufo*, taxonomy of, transferred to
Pristiphora 4605
- Nematus miliaris*, on *Salix*, species
 preferences of 415
- nemea*, *Zenillia*, (*Phryxé*)
- Nemeritis*
 keys to 5835
 taxonomy of, revision of 5835
- Nemeritis canescens* (see *Venturia*)
- Nemoraella pellucida*
 in France 548
 parasitising, *Autographa gamma*, in
 France 548
- nemoralis*, *Anthocoris*
- nemoralis*, *Carabus*
 (*Orinocarabus*)
- Nemorilla*, keys to 776
- Nemorilla floralis*
 in USSR 1872
 parasitising
Ilattia octo, in USSR 1872
Matsumuraes phaseoli, in USSR
 1872
- Nemorilla maculosa*
 in Italy 407
 parasitising, *Epichoristodes acerbella*, in
 Italy 407
- Nemorilla pyste*
 eggs of 776
 in USA 776
 parasitising
Heliothis virescens, in North Carolina
 776
H. zea, in North Carolina 776
- nemorum*, *Anthocoris*
- nemorum*, *Phyllotreta*
- Nemozoma elongatum*
 in USSR 6627
 preying on, bark beetles, in USSR 6627
- nenuphar*, *Conotrachelus*
- Neoaliturus tenellus*
 beet curly top virus in, transmission of
 945
 in USA 945, 2758
 on orange, in California 945
 on *Salsola iberica*, in USA 2758
 on weeds, in California 945
- Spiroplasma citri* in
 in California 945
 isolation of 3118
 transmission of 5722
- Neoapectana*
 in
Heteronychus arator, in New Zealand
 3134
 insects, pathogenicity of 5092
- Neoapectana carpocapsae*
Achromobacter nematophilus associated
 with 3847, 4487
 against
Agrotis ipsilon 987
Athalia lugens 4783
- Neoapectana carpocapsae* contd.
 against contd.
Aulacophora foveicollis 4783
Chilo suppressalis, on rice 3847
Dacus cucurbitae 4783
Diacrisia obliqua 4783
Dysdercus cingulatus 4783
Heliothis armigera 4783
Henosepilachna vigintioctopunctata
 4783
Leucinodes orbonalis 4783
Scirpophaga incertulas 3847
Sesamia inferens 3847
Spodoptera litura 4783
 bacteria associated with 1589
 in
Agrotis lineatus, in USSR 987
Galleria mellonella 1589
 propagation of 4487
 rearing of, techniques for 4487
 storage of 4486-4487
- neobrevipes*, *Dysmicoccus*
- Neobrotica variabilis*
 food preferences of 5983
 in Colombia 5983
 phenotypic variation in 5983
- neocaledonicus*, *Tetranychus*
- Neochetina*
 on *Eichhornia crassipes* 3458
 taxonomy of, revision of 6658
- Neochetina bruchi*
 on *Eichhornia crassipes* 3563
 and biological control using, in USA
 6658
- Neochetina eichhorniae*
 in Argentina 3563
 on *Eichhornia crassipes*
 and biological control using 2747
 in USA 3563, 6658
- Neochrysocharis*
 parasitising
Balya spp., in Malagasy Republic
 5540
Coelaenomenodera perrieri, in Malagasy
 Republic 5540
- neocornutus*, *Dendrolaelaps*
- Neocunaxoides*
 gen. n., description of 552
 illustrations of 552
- Neocypholaelaps africana*, parasitising, *Apis*
mellifera 180
- Neocypholaelaps ampulla*, parasitising, *Apis*
cerana 180
- Neocypholaelaps indica*
 in Taiwan 4745
 on *Apis cerana*, in Taiwan 4745
 on *Apis mellifera*, in Taiwan 4745
 parasitising
Apis cerana 180
A. mellifera 180
- Neocypholaelaps novaehollandiae*,
 parasitising, *Apis mellifera* 180

Neodiprion

control of, antifeedants for, testing of 2542

on *Pinus banksiana* 2542

Neodiprion lecontei

control of, bacteria for 917

food consumption and utilisation in 6214

in Canada 917

on *Pinus banksiana*, development of 6214

on *Pinus resinosa*, development of 6214

on *Pinus strobus* 910

development of 6214

on *Pinus sylvestris*, development of 6214

Thelophania pristiphora in, infectivity of 910

Neodiprion merkelii

in Bahamas 5377

on *Pinus caribaea*, in Bahamas 5377

Neodiprion nanulus nanulus, on *Pinus*

banksiana 3203

Neodiprion nigroscutum

food consumption and utilisation in 6214

on *Pinus banksiana*, development of 6214

on *Pinus resinosa*, development of 6214

on *Pinus strobus*, development of 6214

on *Pinus sylvestris*, development of 6214

Neodiprion pratti banksianae

on *Pinus banksiana* 910

Thelophania pristiphora in, infectivity of 910

Neodiprion pratti paradoxicus, on *Pinus*

banksiana 3203

Neodiprion rugifrons

antifeedants for, pine foliar extracts as 5765

food preferences of 4410

on *Pinus banksiana* 3065

feeding by 4410

foliar extracts as antifeedants for 3203

Neodiprion sertifer

antigens of, detection in predators of 5385

control of, growth regulators for 5294

development in, effects of photoperiod on 5352

diapause in 2481

effects of photoperiod on 5352

food consumption and utilisation in 6214

growth regulators in, effects of 5882

in Canada 4800, 5034, 7415

in USA 5037

in USSR 5670, 6015

in West Germany 3136, 5294

in Yugoslavia 204

mating ability in 7430

migration in 5670

nuclear polyhedrosis virus in

and biological control using, in Ontario 5034, 7415

Neodiprion sertifer contd.

nuclear polyhedrosis virus in *contd.*

pathogenicity of

effects of removal of bacterial

contaminants on 6348

stressors for increasing 3136

serology of 2208

on *Pinus*

in Ontario 4800

in USSR 5670

in Yugoslavia 204

on *Pinus banksiana* 3203

development of 6214

in Ontario 5034, 7415

on *Pinus resinosa*

development of 6214

distribution pattern of 5037

in Michigan 5037

in Ontario 5034, 7415

on *Pinus strobus*, development of 6214

on *Pinus sylvestris*

development of 6214

distribution pattern of 5037

in Michigan 5037

in Ontario 5034, 7415

resistance to 2145

oviposition in, selection of sites for 2145

parasites of, in Europe 1514

parasitised by

Dahlbominus fuliginosus, and biological control using 204

Exenterus abruptorius 2485

Lophyproctus luteator, in Ontario 4800

Pleolophus basizonus 2731

pathogens of, in USSR 5670

predators of, detection of prey antigens in 5385

preyed on by, *Prosternon tessellatum*, in USSR 6015

sex ratio in 7430

Neodiprion swainei

antifeedants for, pine foliar extracts as 5765

control of, insecticides for 5682

Herpetomonas swainei in, effects of 416

hyperparasitised by, *Euceros frigidus*, in

Quebec 5452

in Canada 416, 5452, 5682

life tables for 5452

on *Pinus banksiana* 910

development of 3065

foliar extracts as antifeedants for 3203

in Quebec 5452, 5682

parasites of, monitoring effects of 5452

parasitised by

Lamachus spp., in Quebec 5452

Olesicampe lophyri, in Quebec 5452

Perilampus hyalinus, in Quebec 5452

Spathimeigenia aurifrons, in Quebec 5452

- Neodiprion swainei* contd.
Thelohania pristiphorae in, infectivity of 910
- Neodiprion taedae linearis*, on *Pinus banksiana* 3203
- Neodiprion tsugae*, control of, insecticides for 520
- neodisetus*, *Dendrolaelaps*
- Neodrepta luteotactella*
 biology of 2862
 in Australia 2862
 on *Macadamia*, in Queensland 2862
- Neodusmetia sangwani*
 in USA 4504
 parasitising, *Antonina graminis*, and biological control using, in Israel 4504
- Neoheegeria*, in Crimea 1
- Neoheegeria verbasci*
 in Bulgaria 1333
 on *Verbascum thapsus*, in Bulgaria 1333
- neohumeralis*, *Dacus*
- Neolasioptera ambrosiae*
 on *Ambrosia artemisiifolia*, in North America 223
 on *Ambrosia trifida*, in North America 223
- Neomarasamia suspicalis* (see *Marasamia*)
- neomaritimus*, *Pseudococcus*
- neomexicana*, *Rhyacionia*
- Neomyzus circumflexus* (see *Aulacorthum circumflexum*)
- neonasuta*, *Drosophila*
- Neoparasitylenchus amvlocercus*
 sp. nov., description of 194
 in, *Conophthorus monophyllae*, in California 194
- Neopeptone* (see *Peptones*)
- Neophyllaphis totarae*
 hyperparasites of, in New Zealand 1895
 in New Zealand 1895
- Neophyllomyza*
 attractants for 1071
 in Japan 1071
- Neophyllotocus undarus*
 sp. nov., description of 5838
 in Australia 5838
 on watermelon, in Queensland 5838
- neopicta*, *Drosophila*
- Neoplasms**
 in *Drosophila affinis*, caused by *Pseudeucoila bochei* 4035
 in *Leucophaea maderae*, caused by severing gastric nerve 5414
 in *Locusta migratoria*, caused by severing gastric nerve 5414
 in man, relation of chemical pesticides and 5203
 in *Quercus*, caused by *Agilus biguttatus* 7427
- Neoplectops pomonellae*
 biology of 6107
- Neoplectops pomonellae* contd.
 in USSR 6107
 in apple orchards, effects of insecticides on 6107
 parasitising, *Cydia pomonella*, in Ukraine 6107
- Neoron** (see *Bromopropylate*)
- Neosciaria solani* (see *Sciara*)
- Neoseiulus* (see *Typhlodromus*)
- Neoseiulus fallacis* (see *Amblyseius*)
- Neostauropus alternus*
 food-plants of 4917
 in India 4917
 on *Achras zapota*, in Karnataka 4917
- Neoterme insularis*
 in Australia 3106
 in New Zealand 5219
 in power-transmission poles, in Queensland 3106
- Neoterme tectonae*
 control of, insecticides for 5043
 in Indonesia 5043
 on *Tectona grandis*, in Java 5043
- neotropica*, *Thymebatis*
- Neotylenchidae**, in, insects 957
- neozelandica*, *Diplotoxa*
- Nepal**
 aphids in 2355
 Coccoidea in 2357
Florinia horii group in, on *Rhododendron* 2321
- nepalensis*, *Diconocoris*
- nephantidis*, *Brachymeria*
- Nephantis serinopa*
Aspergillus flavus in, pathogenicity of 6341
- Bacillus thuringiensis* in, pathogenicity of 6341
- control of
 biological 311
 integrated 3613
- in India 149, 311, 1914, 3613–3614, 6640
- on coconut
 in India 311, 1914, 3613–3614
 in Kerala 149
- on sugar-cane, in India 6640
- parasitised by
Brachymeria spp., in India 1914
B. excarinata, in Kerala 3614
B. lasus, in Kerala 3614
Stomatoceras spp., in India 1914
S. sulcatiscutellum, in India 1914
Tetrastichus israeli, and biological control using, in India 6640
- preyed on by, *Parena nigrolineata* 6634
- seasonal abundance of 149
- Serratia marcescens* in, pathogenicity of 6341
- nephelii*, *Poecilips*
- Nephrotettix*
 control of, insecticides for 1356

***Nephotettix* contd.**

on rice

damage caused by 1356

in Indonesia 724

in Malaysia 1356

in Tokushima Prefecture 1354

Nephotettix apicalis* auct. (see *N. nigropictus*)**Nephotettix cincticeps***

a-symbionts in 4097

carbamate resistance in, mechanism of 1147

control of

computer simulation of 2807

evaluation of insecticides for 5796

insecticides for 287, 1656–1657, 1954, 2803, 2806–2807, 4273, 4541

sterile-insect release for 2807

feeding behaviour in, effects of insecticides on 4271

fenitrothion resistance in, in South Korea 3279

fenthion resistance in, in South Korea 3279

in Japan 287, 826, 1355, 1954, 1960, 1970, 2544, 2803, 2806–2808, 5756, 6058, 7460

in South Korea 3279, 4273

in Taiwan 1961, 2801, 4862

in milk powder, in Japan 7460

insecticide resistance in 1656

in Japan 2806

in Kumamoto Prefecture 5756

mating in 7079

natural enemies of, in Taiwan 4862

on rice 3436

in Japan 826, 1954, 2544, 2803, 2806–2808

in South Korea 3279, 4273

in Taiwan 1961, 2801, 4862

in Tokushima Prefecture 1355

resistance to 2804, 2814

ovarian development in 7079

parasitised by

Anagrus spp., in Taiwan 2801*Pipunculus* spp., in Taiwan 2801*Paracentrobia andoi*, in Taiwan 2801*Tomosvaryella* spp., in Taiwan 2801

population dynamics of, models of 2807

preyed on by

Lycosa spp., in Japan 2544*L. pseudoannulata* 6061–6062*Oedothorax insecticeps*, in Taiwan 1961

spiders, in Japan 2807

rice dwarf virus in

in Japan 1970, 6058

transmission of 826, 1970, 2808

rice waika virus in, transmission of 5516

rice Waisei disease

causal agent in

in Japan 1960

***Nephotettix cincticeps* contd.**

rice Waisei disease contd.

causal agent in contd.

transmission of 1960

rice yellow dwarf disease, causal agent in, transmission of 826, 4275

rickettsia-like organisms in 4097

seasonal abundance of 1355, 4862

sterilisation of, chemosterilants for 3436

t-symbionts in 4097

Nephotettix malayanus*, in Malaysia 762**Nephotettix nigropictus***

control of 6690

insecticides for 1951, 2247, 4848

in India 4848, 4863, 6690

in Malaysia 762, 1951, 3973

in Taiwan 2247

on rice

in Himachal Pradesh 4863

in India 6690

in Karnataka 4848

in Malaysia 1951

in Taiwan 2247

resistance to 6690, 7251

preyed on by, *Cyrtorhinus lividipennis*, in Himachal Pradesh 4863

rice waika virus in, transmission of 5516

traps for 3973

Nephotettix parvus*, in Malaysia 762**Nephotettix virescens****Beauveria bassiana* in, in Orissa 6694

control of 6690

insecticides for 724, 828, 1951, 3598, 7265

in India 828, 4863, 6690, 6693–6694, 7265

in Indonesia 724, 7257

in Malaysia 762, 1951, 3973

in Philippines 3598

in Taiwan 4276

on *Echinochloa colonum*, oviposition by 7218on *Oryza fatua*, development of 2189on *Oryza minuta*, unable to develop 2189on *Oryza ridleyi*, unable to develop 2189

on rice

assessing infestations of 6693

damage caused by 5514

in Celebes 7257

in Delhi 6693

in Himachal Pradesh 4863

in India 6690

in Indonesia 724

in Madhya Pradesh 7265

in Malaysia 1951

in Orissa 6694

in Philippines 3598

in Tamil Nadu 828

resistance to 6690, 7251

preyed on by

Cyrtorhinus lividipennis 5514

- Nephotettix virescens* contd.
 preyed on by contd.
Cyrtorhinus lividipennis contd.
 in Himachal Pradesh 4863
 in Taiwan 4276
Lycosa pseudoannulata, in Taiwan 4276
Theridion spp., in Taiwan 4276
 rearing of, techniques for 721
 rice penyakit habang virus in,
 transmission of 3121
 rice tungro virus in
 in Indonesia 724
 transmission of 724, 3598, 6877
 rice waika virus in, transmission of 5516
 rice yellow orange leaf virus in,
 transmission of 3121
 traps for 3973
Nepticula malella (see *Stigmella*)
Nepticula sericopeza (see *Etainia*)
Nepticula sphendarni (see *Etainia*)
Nepticula ulmicola (see *Stigmella ulmivora*)
Nepticula ulmifoliae (see *Stigmella ulmivora*)
Nepticula ulmivora (see *Stigmella*)
 Neptulidae
 in Irish Republic 4594
 in UK 4594
 keys to 4594
Nepytia freemani
Cordyceps militaris in, and biological
 control using, in British Columbia 6843
 in Canada 6843
Nepytia semiclusaria
 in USA 5686
 on *Pinus taeda*
 damage caused by 5686
 in Georgia (USA) 5686
 seasonal abundance of 5686
 traps for 5686
 Nera grains (see Zinc phosphide (Zn_3P_2))
nerii, *Aphis*
nerii, *Aspidiotus*
Nerium odorum, *Arocatus continctus* on, in
 Tamil Nadu 1847
Nerium oleander
Aphis nerii on, in Egypt 178
Saissetia oleae on, in Spain 3641
 Nerol (see 2,6-Octadien-1-ol, 3,7-dimethyl-,
 (Z)-)
 Nerolidol (see 1,6,10-Dodecatrien-1-ol,
 3,7,11-trimethyl-)
nervata, *Wahlgreniella*
nervosa, *Depressaria*
nervosus, *Monoctonus*
nesbitti, *Typhlodromus*
nesea, *Sibine*
Nesidiocoris tenuis (see *Cyrtopeltis*)
nesiotae, *Eurytoma*
Nesosteles neglectus
 in USA 309
Nesosteles neglectus contd.
 on lucerne
 in Nebraska 309
 non-target effects of insecticides on
 309
Nesothrips, in Crimea 1
Netelia silantjewi, in Poland 5846
Netelia virgata, in Poland 5846
 Netherlands
Adelges spp. in, on *Picea* 4404
Adoxophyes orana in 6349
 on apple 3631, 4903, 7555, 7617
 aphids in, on *Capsicum* 978
 apple in
 pest control on 7536
 pests of 327
Ardis brunniventris in
 natural enemies of 2655
 on *Rosa* 2655
Argyresthia thuiella in
 on *Chamaecyparis* 1319
 on *Thuja* 1319
 arthropod pests in 2583
 biological control in 6903
Brevipalpus phoenicis in, on *Phoenix*
 6805
Cynips quercusfolii in, on *Quercus* 424
Delia antiqua in, on onion 5135
D. platura in 6773
 gall-midges in 1248
Hylemya antiqua in, on onion 2460,
 3968
 insect pests in 4740-4741
Messa hortulana in, on *Populus* 2129
Muellerianella brevipennis in, on
Deschampsia caespitosa 6529
M. fairmairei in, on *Holcus lanatus* 6529
Panonychus ulmi in 505
 on apple 7617
 pear in, pest control on 6733
 pest control in 3863, 3960, 4512
Phyllonorycter corylifoliella in 6719
Polyphagotarsonemus latus in, on
Capsicum 978
 Raphidioptera in 2468
Rhizoglyphus engelii in, on ornamental
 plants 5411
Stigmella malella in
 natural enemies of 7536
 on apple 7536, 7617
Tetranychus cinnabarinus in 4606
T. urticae in
 on *Capsicum* 978
 on cucumber 6909
 on eggplant 978
 on rose 505, 4075, 4546
 on tomato 978
Thrips tabaci in, natural enemies of 978
Tipula spp. in, in grassland 6664
Trialeurodes vaporariorum in
 on cucumber 978
 on eggplant 978

Netherlands contd.*Trialeurodes vaporariorum* in contd.

on tomato 978, 6909

Yponomeuta spp. in 5226**Netherlands Antilles, Reduviidae in 5378****Nettle, stinging** (see *Urtica dioica*)**Neurogalesus militis**

in Australia 254

parasitising, *Inopus rubriceps*, in New South Wales 254**Neurogalesus onopodos**

in Australia 254

parasitising, *Inopus rubriceps*, in New South Wales 254**Neuroptera**

eggs of 3379

in Austria 4525

in Poland 2628

in apple orchards, identification of 7314

insecticides in, effects of 5806

preying on

Saissetia oleae, in Iran 6023*Zeiraphera diniana*, in Switzerland 2157

traps for 4525

Neurotoma inconspicua, *Nosema* spp. in,

infectivity of 475

neustria, Malacosoma**Neutrons, fast**

effects of, on

Adoxophyes orana 4086*Ceratitis capitata* 3872*Dacus oleae* 3872*Hylemya antiqua* 2460*Tetranychus urticae* 3247**Nevada***Dactylopius tomentosus* in, on *Opuntia* 555*Salsola iberica* in, *Coleophora parthenica* for biological control of 2758**Nevskyella fungifera**, in Poland 7144**New Brunswick***Choristoneura fumiferana* in 2545, 3302–3303, 3743

forest pests in 5673

Senecio jacobaeae in, *Tyria jacobaeae* for biological control of 2755**New Caledonia, Lepidosaphes beckii** in, natural enemies of 4798**New Hebrides, Xylotrupes gideon** in, on *Poinciana regia* 4300**New Jersey***Coccinella septempunctata* in, introductions of 4714

duck in, organochlorine residues in 7668

New Mexico*Diatraea grandiosella* in 6425

Siricidae in

natural enemies of 3741

on conifers 3741

New South Wales

Acrididae in 1233

New South Wales contd.*Annemus quadrituberculatus* in, on pasture legumes 6704

aphids in

on pea 1451

on *Phaseolus* 1451*Austroplatypus incompertus* in, on *Eucalyptus* 6826*Bryobia* spp. in, natural enemies of 4310*Cardiaspina albitextura* in, on *Eucalyptus* 4400*Chortoicetes terminifera* 4188*Coccis hesperidum* in, natural enemies of 5917*Contarinia sorghicola* in, on sorghum 4868*Cosmopolites sordidus* in, on banana 2903*Cydia molesta* in, on peach 2890*C. pomonella* in, on apple 5567, 6722, 6731*Dactylopius austrinus* in, on *Opuntia aurantiaca* 555*D. opuntiae* inon *Opuntia inermis* 555on *Opuntia tomentosa* 555*D. tomentosus* in, on *Opuntia imbricata* 555*Dacus* spp. in 4595*D. tryoni* in 49*Emex australis* in, *Apion antiquum* for biological control of 4241*Epiphyas postvittana* in, on apple 5567, 6731Eriophyidae in, natural enemies of 4310
Gascardia destructor in, natural enemies of 5917*Halotydeus destructor* in, in pastures 4879*Heliothis armigera* in, on cotton 3701*H. punctigera* in 3701*Heteronychus arator* in 6958

Hymenopterous parasites in 6618

Inopus rubriceps in
natural enemies of 240, 254
on sugar-cane 240, 254*Nysius vinitor* in, on purslane 6661*Oncopera alboguttata* in, in pastures 4879*O. rufobrunnea* in, in pastures 4879*Othnonius batesi* in, natural enemies of 6044*Panonychus ulmi* in
natural enemies of 5561
on apple 5561*Perkinsiella saccharicida* in, on sugar-cane 261*Pieris rapae* in, natural enemies of 6965*Rhyzopertha dominica* in 6288*Sitophilus granarius* in 6288*S. oryzae* in 6288

New South Wales *contd.*

- Tetranychus urticae* in
 - natural enemies of 3616, 4310, 5560–5561, 5567
 - on apple 5560–5561, 5567
 - on strawberry 3616
- Thrips imuginis* in, on apple 4312
- Tribolium castaneum* in 6288
- T. confusum* in 6288
- Tydeidae in, natural enemies of 4310

New York State

- Aculus schlechtendali* in, natural enemies of 6728
- aphids in 3538
 - on celery 4558
- apple in, pest management on 6730
- Argyrotaenia velutinana* in, on apple 4636
- Ceratomegilla maculata* in, natural enemies of 5471
- Chrysopa* spp. in 1309
- C. harrisi* in 187
- Coccinella septempunctata* in, introductions of 4714
- Cydia molesta* in 1138
- Delia antiqua* in, on onion 4558
- D. brassicae* in 4557
- D. platura* in 4557
- Hydria prunivora* in
 - natural enemies of 1425
 - on *Prunus serotina* 1425
- Hylemya antiqua* in 3688
- H. platura* in 3457
- kale in, pests of 4931
- kestrels in, DDE residues in eggs of 4569
- Macrosiphum euphorbiae* in 4557
 - on lettuce 4925
- maize in, pests of 4558
- Myzus persicae* in 4557
 - on lettuce 4925
- Noctuidae in
 - on apple 2865
 - on pear 2865
- Ostrinia nubilalis* in 1145–1146
- Panonychus ulmi* in, natural enemies of 6728
- Phytocoris tiliae* in 7127
- Pieris rapae* in
 - on cabbage 3654
 - on cauliflower 3654
 - on kale 3653
- Popillia japonica* in 4290
- Pristiphora erichsonii* in, natural enemies of 3547
- Rhagoletis pomonella* in, on apple 2876, 2879
- Scolytus multistriatus* in, on *Ulmus* 4634
- Spodoptera frugiperda* in, on maize 4266
- Tortricidae in, on apple 2884
- Trialeurodes vaporariorum* in, on
 - Euphorbia pulcherrima* 1639

New York State *contd.*

- Trichoplusia ni* in
 - on cabbage 3654
 - on cauliflower 3654
 - on lettuce 4558
- Uroleucon pseudambrosiae* in, on lettuce 4925

New Zealand

- Agrotis ipsilon* in 3515
- aphids in 1202
 - natural enemies of 1895
- Aphodius tasmaniae* in 4584
- apple in, pest control on 1421
- Brachaspis nivalis* in, in grassland 2831
- Calioa cerasi* in, on pear 6356
- Cecidomyiidae in, on grasses 1974
- Cicadellidae in 1086
- Collembola in, in pastures 1978
- Costelytra zealandica* in 1368–1369, 2268
 - in pastures 2825–2826, 2828, 3190–3192
 - natural enemies of 4882
- Crambini in 3977
- Cydia pomonella* in
 - natural enemies of 1422–1423, 2016
 - on apple 1422–1423, 2015–2016, 2270
- Dasineura pyri* in, on pear 3183
- Deltocephalinae in 2354
- Diploptoxa neozelandica* in, on grasses 1974
- Epiphyas postvittana* in
 - on apple 2270
 - on pear 3183
- forest pests in 2271, 5219
- Graphognathus leucoloma* in
 - on lucerne 3605
 - on potato 3605
- grasshoppers in, in grassland 741, 1833, 2272
- Heliothis armigera* in 3691
- Heteronychus arator* in 2268
 - in pastures 3134, 3196
 - natural enemies of 3134
- Hylurgus ligniperda* in, on *Pinus* 5004
- Hyperodes bonariensis* in
 - on *Lolium* 3185–3186
 - on maize 3187
- Inopus rubriceps* in 2268
 - in pastures 3193–3195
- Macrosiphum miscanthi* in 1937
 - on wheat 2269
- Megacraspedus calamogonus* in, on grasses 1974
- Mythimna separata* in 3972
 - in pastures 3579
 - on barley 3188
 - on grain crops 3579
 - on maize 3188
- Orocrambus* spp. in, in grassland 4280
- Panonychus ulmi* in
 - on apple 2270

New Zealand contd.

- Panonychus ulmi* in *contd.*
 on pear 3183
Paprides nitidus in, in grassland 2831
Pemphigus spp. in 5341
Pentodontini in 4610
Persectania aversa in, on wheat 2269
Phthorimaea operculella in, on potato 3686
Pieris rapae in
 on Cruciferae 3649
 on *Tropaeolum* 3649
Plutella xylostella in, on Cruciferae 3650
Pseudococcus spp. in, on grapevine 3183
Pseudocoremia suavis in, on conifers 1228
Psila rosae in, on carrot 3189
Quadraspidiotus perniciosus in, on apple 2270
Rhopalosiphum padi in, on wheat 2269
Sigauss australis in, in grassland 2831
Sitona humeralis in, on *Medicago* 3972
Sminthuridae in, in pastures 1978
Tetranychus urticae in 1644
Vesputia germanica in 4203, 5991
 wheat in, pest control on 3182
Wiseana spp. in 2280
W. cervinata in, in pastures 1977
- Newfoundland**
Choristoneura fumiferana in, on *Abies* 3743
Coleophora serratella in, on *Betula* 421, 3038–3039
Fenusia pusilla in, on *Betula* 3749
 forest pests in 5673
Malacosoma disstria in 6842
- newskyi, Dysaphis**
newsteadi, Dactylopius (see *D. confusus* and *D. tomentosus*)
newsteadi, Insulaspis
newtoni, Aphis
Nexion (see *Bromophos*)
Nexit (see BHC (γ -isomer))
Nezara viridula
 alarm pheromone of 1748
 biology of 3449
 control of, insecticides for 367, 851, 1951
 defensive secretion of 1748
 food-plants of 3449
 in Brazil 367, 1457
 in Egypt 851
 in India 4950, 6075, 7355
 in Malaysia 1951
 in Mexico 3449
 in Pakistan 1338
 in USA 7187
 migration in 2646
 on cabbage, in Egypt 851
 on *Citrus*, in Egypt 851
 on maize, in Egypt 851
 on *Phaseolus vulgaris* 3449
 on rice, in Malaysia 1951

Nezara viridula contd.

- on sesame, in Egypt 851
 on sorghum
 in Delhi 6075
 resistance to 6075
 on soy bean
 damage caused by 1457
 in Brazil 367, 1457
 in Madhya Pradesh 4950
 on *Vigna unguiculata*, in Delhi 7355
 on weeds, in Pakistan 1338
 on wheat, in Pakistan 1338
 parasites of, effects of insecticides on 851
 parasitised by
Scelionidae, in Mexico 3449
Trichopoda pennipes 5446
 in Georgia (USA) 7187
Trissolcus basalis, in Egypt 851
 parasitism of, effects of food-plant on 7187
 preyed on by
Amyotea malabarica, in Madhya Pradesh 4950
Reduviidae, in Mexico 3449
- ni, Trichoplusia**
NIA-33297 (see Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester)
Niacin (see 3-Pyridinecarboxylic acid)
Nicaragua, stored maize in, insect pests of 6232
nicholsoni, Microterys
Nickel
 in *Solenopsis invicta* 2697
 in *Solenopsis invicta* queens 5311
nicolasi, Campylomma
Nicoletia meinerti, in USA 656
Nicotiana
 cucumber mosaic virus in, infectivity of 5069
 sowthistle yellow net virus in, infectivity of 458
Nicotiana benthamiana, Spodoptera litura
 on, resistance to 2098
Nicotiana clelandii, plum pox virus in, aphid transmission of 5720
Nicotiana glauca
Phthorimaea operculella on, in Iraq 4965
Spodoptera litura on, resistance to 2098
Nicotiana glutinosa, turnip mosaic virus in, aphid transmission of 5725
Nicotiana repanda, Spodoptera litura on, resistance to 2098
Nicotiana rustica, insecticidal activity of alkaloids from 5184
Nicotiana tabacum (see Tobacco)
Nicotiana trigonophylla, Spodoptera litura
 on, resistance to 2098
Nicotine (see Pyridine, 3-(1-methyl-2-pyrrolidinyl)-, (S)-)

Nicotinic acid (see 3-Pyridinecarboxylic acid)

nidicola, *Townsendiellomyia*

Nidularium tricolor

Opogona sacchari on
damage caused by 6201
in Italy 6201

nietzkei, *Liriomyza*

Nigella sativa, insecticidal activity of
extracts of 5057

Niger

Bruchidae in, in stored cowpeas 6234

Coccoidea in, on *Citrus* 5100

niger, *Dendrocerus* (see *D. carpenteri*)

niger, *Lasius*

niger, *Orius*

niger, *Pterostichus*

Nigeria

Acanthomia horrida in

natural enemies of 1456

on *Vigna unguiculata* 1456

A. tomentosicollis in, natural enemies of
6615

Alcidodes leucogrammus in, on *Vigna*
unguiculata 4942

Anoplocnemis curvipes in, on *Vigna*
unguiculata 6159

Antigastra catalaunalis in, on sesame
2980

ants in, in cacao plantations 3015

Aphis gossypii in, on cotton 2087

Balanogasteris kola in, on *Cola* 1411

Callosobruchus maculatus in, in stored
cowpeas 6244

Chilo zacconius in, on rice 4860

Cicadellidae in

on maize 6047

on *Vigna unguiculata* 6047

Cola nitida in, pests of 2003

cotton in

pest control on 7515

pests of 4376

cowpea in, insect pests of 6231

Crematogaster buchneri in, on cacao
2103

C. clariventris in, on cacao 2103

Curculionidae in, in kola nuts 941

Dermestes maculatus in, in dried fish
1534, 4426-4427

Dysdercus supersticiosus in, on cotton
2087

entomology in 4586

grasshoppers in 5423-5424

groundnut in, arthropod pests of 5609

Homoptera in, on cacao 3015

Isaniris decorsei in 3009

Kraussaria angulifera in 1855

maize in

insect pests of 4268

pests of 6051

Maliarpha separattella in, on rice 4860

man in, organochlorine residues in 3320

Nigeria *contd.*

Maruca testulalis in, on *Vigna unguiculata*
4339, 7356

Necrobia rufipes in, in dried fish 1534,
4426-4427

Oecophylla longinoda in 4628

Peridontopyge spp. in, on groundnut
2064

rice in

insect pests of 7273

pests of 6051

rice stem-borers in 1958

Riptortus dentipes in, on *Vigna*
unguiculata 6158

scale insects in

natural enemies of 3635

on *Citrus* 3635

Sesamia calamistis in, on rice 4860

Sophrorhinus spp. in, on *Cola* 1411

S. gbanjaensis in, on *Cola* 2009

termites in 4743

Tribolium castaneum in, in dried fish
4427

Trogoderma granarium in, in dried fish
4427

Vigna unguiculata in, pests of 6051

Zonocerus variegatus in 1120, 1254,
4743, 5422

on cassava 6605

on *Citrus* 6605

nigra, *Megaselia*

nigra, *Parasaissetia*, (*Saissetia*)

nigra, *Pauropsylla*

nigra, *Spalangia*

nigra, *Telsimia*

nigrella, *Agromyza*

nigriabdominalis, *Tetraneura*

nigribasalis, *Trissolcus*

nigricana, *Cydia*

(*Laspeyresia*)

nigricans, *Bracon*, (*Habrobracon*)

nigricans, *Dorylus*

nigricans, *Formica*

nigricans, *Oncometopia*

nigricans, *Trichomma*

nigriceps, *Cardiophiles*

nigriceps, *Cybocephalus*

nigriceps, *Nasutitermes*

nigricollis, *Lathrolestes*

nigricollis, *Priopoda*

nigricornis, *Sirex*

nigricornis, *Torymus*

nigricorpus, *Pristiphora*, (*Pachynematus*)

nigrifrons, *Graminella*

nigrinervis, *Gargaphia*

nigrini, *Entedon*

nigrinus, *Ernobius*

nigripennis, *Longitarsus*

nigripes, *Aphidius*

nigripes, *Phyllotreta*

nigrirostris, *Hypera*

nigrita, *Sagra*

- nigritulus*, *Nanophyes nigritus*, *Chilocorus nigritus*, *Pterostichus nigrivenella*, *Mussidia nigriventris*, *Sarcophaga nigrofasciatus*, *Dysdercus nigrolineata*, *Parana nigrolineata*, *Pseudoperichaeta nigrolineata*, *Sericesthis nigronevosa*, *Pentalonia nigropictus*, *Nephotettix nigrorepletus*, *Hieroglyphus nigroscutum*, *Neodiprion Nilaparvata lugens*
 γ-BHC resistance in, in Saga Prefecture 1959
 biology of 287, 6696
 control of 3976, 6690
 cultural measures for 6696
 insecticides for 287, 713, 717, 828, 1356, 1951, 1954, 1959, 1964, 2247, 2811, 3598, 4273, 4851, 4865, 5514, 6696, 7612
 dieldrin resistance in, in Saga Prefecture 1959
 feeding behaviour in 2496, 7065
 fenitrothion resistance in, in Saga Prefecture 1959
 flight activity in 6060
 in China 2811
 in India 289, 828, 1964, 2805, 4851, 4863–4864, 6690, 6696, 7263–7264
 in Indonesia 713
 in Japan 287, 1954, 1959, 5515, 5755, 6688, 7255, 7612
 in Malaysia 1356, 1951, 3973, 4865
 in Papua New Guinea 4852
 in Philippines 3598
 in Solomon Islands 3976, 6060, 7261
 in South Korea 4273, 7262
 in Taiwan 1961, 2247, 2801
 in Thailand 2347
 mating in 1803, 7079
 mating signal of 1804, 5901
 migration in 6688, 7255, 7262
 natural enemies of, effects of insecticides on 6696
 on *Echinochloa crus-galli*, resistance to 5755
 on rice 717, 1804, 1965
 damage caused by 1356, 5514, 7262
 development of 5755
 in Andhra Pradesh 7263
 in Himachal Pradesh 4863
 in India 4864, 6690, 6696
 in Indonesia 713
 in Japan 287, 1954, 5515, 5755, 6688, 7612
 in Kerala 289, 2805
 in Kwangtung Province 2811
 in Kyushu 7255
 in Madhya Pradesh 7264
- Nilaparvata lugens* contd.
 on rice contd.
 in Malaya 4865
 in Malaysia 1356, 1951
 in Papua New Guinea 4852
 in Philippines 3598
 in Saga Prefecture 1959
 in Solomon Islands 3976, 6060, 7261
 in South Korea 4273
 in Taiwan 1961, 2247, 2801
 in Tamil Nadu 828, 1964, 4851
 in Thailand 2347
 resistance to 288, 723, 1964, 2814–2815, 4855–4856, 5515, 6690, 7259
 ovarian development in 7079
 parasitised by
 Anagrus spp., in Taiwan 2801
 Elenchus yasumatsui, in Thailand 2347
 Paracentrobia andoi, in Taiwan 2801
 Pipunculus spp., in Taiwan 2801
 Tomosvaryella spp., in Taiwan 2801
 predators of, effects of insecticides on 7261
 preyed on by
 Coccinella arcuata, in Kerala 289
 Cyrtorhinus lividipennis 5514
 in Andhra Pradesh 7263
 in Himachal Pradesh 4863
 in Madhya Pradesh 7264
 in Solomon Islands 7261
 Oedothorax insecticeps, in Taiwan 1961
 spiders, in India 4864
 Tytthus chinensis, in Solomon Islands 7261
 T. parviceps, in Madhya Pradesh 7264
 rearing of, techniques for 721, 4855
 red-eyed mutant of, associated with brachypterous adults 5313
 rice grassy stunt virus in, transmission of 2805, 3598
 sexual behaviour in 1803
 traps for 3973
 wing beat in, analysis of 1807
- nilgiri*, *Lachnosterna*, (*Holotrichia*) *nimbatus*, *Phosphorus virescens nipae*, *Nipaecoccus*, (*Pseudococcus*) *Nipaecoccus*
 on *Casuarina equisetifolia*, in India 2337
 parasitised by, *Mirufens mangiferae*, in India 2337
Nipaecoccus nipae, control of, γ-irradiation for 5953
Nipaecoccus vastator
 in India 2057
 on soy bean, in Madhya Pradesh 2057
Nipagin (see Benzoic acid, 4-hydroxy-, methyl ester)
nipponensis, *Chrysopa nipponicus*, *Cybocephalus*

Niptus hololeucus

- in West Germany 5763
- in grain debris, in West Germany 5763
- in toothpaste, in West Germany 5763

nishiguchii, Dolophron

- Nissol* (see Acetamide, 2-fluoro-*N*-methyl-*N*-1-naphthalenyl-)

nitens, Dolerus***nitens, Metasyrphus*, (*Syrphus*)*****nitetis, Chrysoscharis******nitida, Amblypelta******nitida, Cotinis******nitida, Medetera******nitidalis, Palpita*, (*Diaphania*)*****nitidissima, Oscinella*****Nitidulidae**

- feeding behaviour in 5222
- in Portugal 5222
- in Spain 5222
- in stored maize, in USA 1846
- keys to 5222
- on *Quercus*, in Mississippi 7410
- preying on
 - bark beetles, in USSR 6627
 - Saissetia oleae*, in Iran 6023

nitidus, Paprides***nitifrons, Cotterellia*****Nitrate**, in soil around *Pogonomyrmex occidentalis* mounds 174**Nitric acid**, calcium salt, in mushroom composts, effects on *Lycoriella auripila* of 1924***nitridus, Scaphytopius*****Nitrite**, in *Pseudomonas*, parathion metabolite 5777**Nitrofen** (2,4-dichloro-1-(4-nitrophenoxy)benzene) with insecticides 3327**Nitrogen**

against

Blattella germanica, in milk powder 7457*Ephestia cautella*

in milk powder 7456

in rice bran 7456

Oryzaephilus surinamensis, in milk powder 7451*Periplaneta fuliginosa*, in milk powder 7457

pests of milk powder 7444, 7450

Sitophilus granarius, in stored wheat 2656*S. oryzae*, in stored sorghum 1555*Tribolium castaneum*

in milk powder 7456

in rice bran 7456

in stored wheat 2656

T. confusum, in stored wheat 2656

as fertilizer (see Fertilizers)

in apple

effects of clean cultivation on 6111

effects of pesticides on 7562

Nitrogen contd.in *Atrachya menetriesii*, effects on egg diapause of 2394

in cardamom, effects of mosaic virus infection on 145

in *Citrus*, relation of *Aceria sheldoni* infestation and 2896

in cotton

effects of *Bemisia tabaci* on 3005

effects of systemic insecticides on 894

effects of water shortage on 1815

in insects, inhibiting carbaryl

decarbamylation 3526

in okra

effects of yellow-vein mosaic virus infection on 1439

effects on insect susceptibility of 2037

in pasture soil, relation of invertebrate fauna and 1367

in *Ricinus communis* 5276in *Samia cynthia* diet, requirement for 5276in sesame, effects of *Asphondylia sesami* on 2979in sour orange, effects of *Eutetranychus orientalis* on 1432in *Spodoptera litura*, effects of *Bacillus thuringiensis* on 886

in sugar-beet, effects of aldicarb on 1464

in tomato, effects of insecticides on 5813

in Umbelliferae, relation of feeding by *Papilio polyxenes* and 2427in *Vigna radiata*, effects of mung bean yellow mosaic virus on 7349 γ -irradiation of pests in 3433, 4684**Nitrogen fixation**, in *Vigna unguiculata*, effects of insecticides on 7354**Nitrogenase** (see Reductase, nitric oxide)**Nitrosoparathion** (see Phosphorothioic acid, *O,O*-diethyl *O*-(4-nitrosophenyl) ester)**Nitrous acid**, sodium salt, in cured meat, not reacting with methomyl 4536***nivalis, Brachaspis******nivella, Tryporyza*, (*Scirpophaga*)*****njalensis, Planococcoides******noacki, Cales******nobilis, Cassida******nocens, Corythucha******noctilio, Sirex******Noctua comes***

aestivation in 4099

in Czechoslovakia 4099

Noctua fimbriata

aestivation in 4099

in Czechoslovakia 4099

Noctua pronuba

aestivation in 4099

heterogeneity in, relation of migration and 6516

in Czechoslovakia 4099

in Iran 1340

migration in 4099

Noctua pronuba contd.

traps for 1340

noctuella, Nomophila**Noctuidae**

biology of 5911

control of, *Bacillus thuringiensis* for 6182

generic names of 3999

heterogeneity in, relation of migration and 6516

illustrations of 4139

in Australia 5911

in Austria 2615

in Bangladesh 4180

in France 638, 2616

in Galapagos Islands 4139

in Japan 670

in Peru 156

in Sardinia 1201

keys to, in New York 2865

migration in 83, 638, 2646

on beet

in Chile 4329

in USSR 6620

on cabbage, in USSR 6620

on *Capsicum*, in Bulgaria 2077on *Citrus*, in California 337

on cotton

in Malagasy Republic 4024

in Uzbekistan 6182

on fruit trees, in Ohio 323

on grasses, in Puerto Rico 1975

on maize, in Bulgaria 2077

on sunflower, in Yugoslavia 4972

on tobacco, in Bulgaria 2077

on tomato, in Bulgaria 2077

parasitised by

Conomorium patulum, in USSR 6221

Hymenoptera, in USSR 6620

Phygadeuon spp. 1284

Tachinidae, in USSR 6620

Trichogramma spp., and biological

control using, in Ukraine 6621

T. evanescens, and biological control

using, in USSR 6620

Trichospilus diatraeae, and biological

control using, in Malagasy Republic 4024

pathogens of 6918

rearing of, diets for 1230

traps for 142, 670, 1201, 2615–2616, 5911

noctuides, Dalaca, (Maculella)**nodiceps, Cryptognatha**Nogos (see *Dichlorvos*)**nokomis, Hyalophora gloveri**

Nolidae, generic names of 3999

nolophanae, RogasNoltran (see *Chlorpyrifos-methyl*)**Nomadacris septemfasciata**

control of, insecticides for 5415

in southern Africa 5415

Nomadacris septemfasciata contd.

insecticide resistance in, testing for 1206

Nomia melanderi

attraction of, by wasp attractants 3210

in USA 3210

Nomophila nearctica

distribution of 5343

in Greenland 5343

taxonomy of

characters distinguishing *N. noctuella* and 5343misidentified as *N. noctuella*, in

Greenland 5343

Nomophila noctuella

distribution of 5343

in Iceland 5343

taxonomy of

characters distinguishing *N. nearctica* and 5343*Nomophila nearctica* misidentified as, in Greenland 5343**Nomuraea rileyi**

blastospores of, pathogenicity of 2234

conidiospores of

effects of outdoor storage on 4472

pathogenicity of 2234

fungicides in, toxicity of 3823

herbicides in, toxicity of 3823

in

Anticarsia gemmatilis

biological control with 952

in Brazil 5732

in South Carolina 3822

in USA 7487

pathogenicity of 7487

Bombyx mori, effects on development of 7500*Diacrisia obliqua*, in Madhya Pradesh 6641*Heliothis* spp.

in Arkansas 2736

in South Carolina 3512, 3822

H. virescens 3671

pathogenicity of 7487

H. zea

biological control with, in North Carolina 3671

pathogenicity of 2234, 4472, 7487

insects, in Israel 7496

Mamestra brassicae, in Japan 870*Oryctes rhinoceros*, not pathogenic 2218*Peridroma saucia*, pathogenicity of 7487*Pieris rapae*, pathogenicity of 7487*Plathypena scabra*

biological control with, in North Carolina 3671

in Missouri 2056

in South Carolina 3822

pathogenicity of 7487

Nomuraea rileyi *contd.*in *contd.**Pseudoplusia includens*

in South Carolina 1590, 3822

in USA 7487

pathogenicity of 7487

Spodoptera exigua, pathogenicity of 7487*Trichoplusia ni*

and biological control using, in

Missouri 6780

in Missouri 2056

in South Carolina 3822

pathogenicity of 3823, 7487

insecticides in, toxicity of 3823

taxonomy of

Spicaria prasina as synonym of 952transferred from *Spicaria* 952**Nonachlor** (see 4,7-Methano-1*H*-indene, 1,2,3,4,5,6,7,8,8-nonachloro-2,3,3a,4,7,7a-hexahydro-)**Nonacosane**, in *Solenopsis invicta* cuticle 4200**Nonacosane, 3-methyl-**, in *Solenopsis invicta* cuticle 4200**2,4-Nonadienoic acid, 9-cyclohexyl-3,7-dimethyl-**
ethyl esteragainst, *Coleophora laricella*, on *Larix* 6845in *Cydia pomonella*, effects on fecundity of 7656

in insects, inhibiting metamorphosis 6939

2,4-Nonadienoic acid, 9-(1,1-dimethylethoxy)-3,7-dimethyl-, 1-methylethyl ester, in insects, inhibiting metamorphosis 6938**2,4-Nonadienoic acid, 3,7-dimethyl-9-(2-methylcyclohexyl)-**, ethyl ester, in insects, inhibiting metamorphosis 6939**2,4-Nonadienoic acid, 3,7-dimethyl-9-(tetrahydro-2-furanyl)-**, methyl ester, against, *Coleophora laricella*, on *Larix* 6845**2,6-Nonadienoic acid, 9-(3,3-dimethylloxiranyl)-3,7-dimethyl-**
methyl esterin *Locusta migratoria*

effects of 166

effects on corpora allata of 4756

methyl ester, (*E,E*)-in *Attacus atlas* 7084in *Schistocerca americana*

enzyme-mediated hydrolysis of 3523

synthesis and storage of 1136

methyl ester, [*R-(E,E)*]-in *Manduca sexta*, hydrolysis of 607in *Periplaneta americana*, synthesis of 3394in *Schistocerca americana* 4759

synthesis of 3394

2,6-Nonadienoic acid, 9-(3,3-dimethylloxiranyl)-3,7-dimethyl-
methyl ester, [*R-(E,E)*]- *contd.*in *Schistocerca americana* hemolymph 5306**2,6-Nonadienoic acid, 7-ethyl-9-(3-ethyl-3-methylloxiranyl)-3-methyl-**
methyl esterin *Adoxophyes orana*, effects of 3283in *Aonidiella aurantii*, effects on development of 2894in *Bombyx mori*, effects on spermiogenesis of 5304in *Cephonodes hylas*, effects of 4672, 4673in *Ceratitis capitata*, effects on morphology of 1709in *Cerura vinula*, effects of 3420in *Choristoneura fumiferana*, effects on embryonic respiration of 3341in *Danaus plexippus*, effects on reproductive system of 7080

in Diptera, effects on morphology of 1709

in *Draeculacephala crassicornis*, effects on reproduction of 24in *Dysdercus fulvioniger*, effects on flight muscle histolysis of 2397in *Hyalophora cecropia*, effects of 2448in *Locusta migratoria*

effects on neurosecretory system of 4661

effects on corpora allata of 4756

in *Manduca sexta*

effects on expression of black mutant of 4058

metabolism of 58

role in moulting and metamorphosis of 4665

in *Myzus persicae*, effects on wing development of 593in *Ostrinia nubilalis*, effects on diapause of 6505in *Pieris brassicae*, effects on spinning behaviour of 54in *Piesma quadratum*, effects on virus transmission of 3809in *Plodia interpunctella*

effects on food consumption of 7649

inhibiting chitin synthesis 6294

subcellular binding of 56

in *Sphinx ligustri*, effects of 3420in *Spodoptera littoralis*, effects on egg-hatch and fecundity of 4671in *Subcoccinella vigintiquatuorpuntata*, effects on diapause of 597in *Tenebrio molitor*, effects on morphology of 1709

in wheat grain, metabolism of 6936

in *Zootermopsis angusticollis*, effects on caste differentiation of 4237

2,6-Nonadienoic acid, 7-ethyl-9-(3-ethyl-3-methyloxiranyl)-3-methyl- *contd.*methyl ester *contd.*

synergists for 58

methyl ester, (*E,E*)-
against*Aphis fabae* 2444*Myzus persicae* 2444*Therioaphis trifolii* 2444methyl ester, (*E,E*)-*cis*-in *Chilo suppressalis*, effects on
diapause of 2482in *Galleria mellonella*, JH activity of
5301methyl ester, [2*R*-[2 α (*E,E*),3 α]]-, in
Hyalophora cecropia, biosynthesis of
2443**2,6-Nonadienoic acid, 9-(3-ethyl-3-methyloxiranyl)-3,7-dimethyl-**methyl ester, in *Chilo suppressalis*, effects on
diapause of 2482**nonagriæ, Apanteles** (see *Apanteles flavipes*)**nonagrioides, Sesamia****Nonane**, repellent for, *Monochamus alternatus* 1073**Nonanoic acid**antifeedant for, *Dermestes maculatus*
3266in *Camponotus clarithorax* mandibular
gland secretion 3530in *Lasius fuliginosus* trail pheromone
2690

2,6-dimethyl-5-heptenyl ester, in

Camponotus clarithorax mandibular
gland secretion 35302-phenylethyl ester, in *Camponotus clarithorax* mandibular gland secretion
3530**2-Nonenoic acid, 9-(1-ethylpropoxy)-3,7-dimethyl-**, 1-methylethyl ester, in insects,
inhibiting metamorphosis 6938**6-Nonen-1-ol, (*E*)-**, *Ceratitis capitata* sex
pheromone 1140**Noodles***Oryzaephilus* spp. in, development of
7462*Tribolium* spp. in, development of 7462**Noradrenaline** (see *Norepinephrine*)**Norbanus scabriculus**

in Italy 1979

parasitising, *Agapanthia violacea*, in Italy
1979**nordmannianæ, Adelges**, (*Dreyfusia*)**Norea** (see *Noruron*)**Norepinephrine** ((*R*)-4-(2-amino-1-hydroxyethyl)-1,2-benzenediol)in *Diparopsis castanea*, effects of
chemosterilants on 4688**Norepinephrine** *contd.*in *Manduca sexta* salivary glands, not
found 4647

in rat heart, effects of parathion on 5804

L-Norleucinein *Dichocrocis punctiferalis* 4076in *Marasmia trapezalis* 4076**North America**, Cynareæ in, natural
enemies of 2327**North Carolina***Acrobasis betulivorella* in, on *Betula*
1725*Adelges piceae* in, on *Abies* 4579

apple in, pest control on 7541

Chaetosiphon minor in, on *Fragaria virginiana* 6091*Chrysopa lanata* in 780*Coelidia olitoria* in

on grapevine 6090

on strawberry 6090

Corthylus columbianus in, on *Quercus*
1524

crucifers in, pests of 2915

Dendroctonus frontalis in, on *Pinus*
5090

Elateridae in, on tobacco 7398

Heliothis virescens in

natural enemies of 776, 794-795

on tobacco 4263

H. zea in 94

natural enemies of 776, 794-795

on maize 4263

on soy bean 3671

on tobacco 4263

Hylobius pales in, on *Pinus* 5659, 7425*Ips grandicollis* in, on *Pinus* 2146*Manduca sexta* in 2506*Megastigmus atedius* in, on *Pinus* 3064*Pachyllobius picivorus* in, on *Pinus* 5659,
7425*Peridroma saucia* in, on apple 330*Plathypena scabra* in, on soy bean 3671*Scolytus multistriatus* in 4632

spiders in, in soy-bean fields 4949

North Dakota

agricultural research in 7174

Malacosoma disstria in

natural enemies of 3068

on *Prunus virginiana* 4416on *Tilia americana* 4416*Ostrinia nubilalis* in

natural enemies of 2789

on maize 2789

Rhyacionia bushnelli in, natural enemies
of 183**Northern Territory, Dacus dorsalis** in 7145**Northwest Territories***Rosenus pendulus* in, on grasses 1101*R. transarcticus* in, on grasses 1101**Noruron** ((3 α ,4 α ,5 α ,7 α ,7 α)-*N,N*-
dimethyl-*N'*-(octahydro-4,7-methano-1*H*-
inden-5-yl)urea)

Noruron contd.

- with atrazine, and carbofuran,
compatibility of 3202
- with atrazine, and disulfoton,
compatibility of 3202
- with atrazine, and phorate, compatibility
of 3202

Norvellina seminuda

- in USA 331
- on peach, in Michigan 331
- on *Prunus cerasus*, in Michigan 331
- peach X-disease, causal agent in,
transmission of 331

Norway

- Apoda avellana* in, on deciduous trees
5373
- Argyresthia conjugella* in
on apple 5564
on *Sorbus aucuparia* 5564
- Byturus urbanus* in, on raspberry 5545
- Cilix glaucata* in, on *Prunus spinosa*
5373
- Coccoidea in 6448
- Ennomos quercinaria* in, on deciduous
trees 117
- Ips duplicatus* in, on *Picea* 1142
- Lepidoptera in 117
- Lomographa bimaculata* in, on *Prunus*
5373
- Macrochilo cribrumalis* in 5373
- Mamestra brassicae* in
on cabbage 7342
on cauliflower 7342
- Myzus persicae* in 4796
natural enemies of 205
on chrysanthemum 205
- Picea abies* in, arthropods associated with
431
- Reesa vespulae* in
in dwellings 6852
in museums 6852
- Sphecidae in 5369
- Tetranychus urticae* in
on cucumber 973
on tomato 973
- Thrips tabaci* in, on cucumber 973
- Trialeurodes vaporariorum* in, on tomato
973
- norwegica, Dolichovespula**
- Nosema**
hydrophilic spore proteins in 949
in
Autographa gamma, in Yugoslavia
3138
Ephestia kuehniella, in Yugoslavia
4485, 6307
Hyphantria cunea, in Illinois 475
Lepidoptera
in Yugoslavia 6885
infectivity of 475
Malacosoma americanum
effects of 7482

Nosema contd.

in contd.

Malacosoma americanum contd.

- in Kentucky 2212, 7482
- transmission of 2212
- Neurotoma inconspicua*, infectivity of
475
- Phormia regina*, infectivity of 475
- Sitotroga cerealella*, in Yugoslavia
4485, 6307
- Tenebroides mauretanicus*, in
Yugoslavia 4485

Nosema apis, in, *Apis mellifera*, effects on
oxygen consumption of 5075

Nosema campoletidis

in

- Campoletis sonorensis* 482
- Catolaccus aeneoviridis*, infectivity of
482
- Spilochalcis side*, infectivity of 482
- Nosema cerasivoranae**, in, *Archips*
cerasivoranus, in Quebec 956
- Nosema disstriae**, in, *Malacosoma disstria*
cell lines, persistence of 6891
- Nosema fumiferanae**, in, *Choristoneura*
fumiferana, and biological control using,
in Ontario 6223-6224

Nosema heliothidis

in

- Campoletis sonorensis* 482
- Heliothis zea*, effects on reproduction
and diapause of 3129
- Nosema heterosporum**, in, *Plodia*
interpunctella, pathogenicity of 1578

Nosema kovacevici

- sp. n., description of 2868

in

- Euproctis chrysorrhoea*, in Yugoslavia
2868
- E. similis*, in Yugoslavia 5739

Nosema locustae

against

- grasshoppers 473
- Melanoplus sanguinipes* 473
- infectivity of, effects of storage on 473

Nosema mesnili

in

- Bombyx mori* 2236
- Chilo suppressalis* 2236
- Pieris rapae*
in Japan 2236
pathogenicity of 2236
- Spodoptera litura* 2236

Nosema necatrix

- hydrophobic spore proteins in 948

in

- Heliothis zea*, development of infection
with 2222
- Hyphantria cunea*, in Illinois 475
- Trichoplusia ni*, development of
infection with 2222

Nosema oryzaephili

in

Oryzaephilus surinamensis,
pathogenicity of 184*Tribolium castaneum*, pathogenicity of
184taxonomy of, characters for, polar
filaments as 184

ultrastructure of 184

Nosema plodiaehydrophobic spore proteins in 948
in*Galleria mellonella*, effects on enzymes
of 2201*Mamestra brassicae*effects on dehydrogenase activity of
6480

effects on enzymes of 2201

Plodia interpunctella, pathogenicity of
1578***Nosema polygrammae***sp. n., description of 2195
in*Leptinotarsa decemlineata*, infectivity of
2195*L. undecimlineata*

in Cuba 2195

pathogenicity of 2195

***Nosema pyraustae* (see also *Perezia pyraustae*)**

in

Ostrinia nubilalis 7244–7245

effects of 7486

in Minnesota 7486

storage of spores of 951

Nosema sphingidis, hydrophobic spore
proteins in 948***Nosema trichoplusiae*** 475

hydrophilic spore proteins in 949

hydrophobic spore proteins in 948

Nosema whiteihydrophobic spore proteins in 948
in*Oryzaephilus surinamensis*,
pathogenicity of 184*Tribolium castaneum*, pathogenicity of
184*T. confusum*, in Yugoslavia 4485taxonomy of, characters for, polar
filaments as 184

ultrastructure of 184

Nosematidae, in, Lepidoptera, in Yugoslavia
6885***notabilis*, *Isotoma******notandus*, *Teleopterus******notata*, *Euxesta******notata*, *Hyposoter******notatus*, *Pissodes******notescens*, *Scymnus******Notofagus fusca***

fungi in, in New Zealand 5219

Platypus spp. on, in New Zealand 5219***Notiophilus biguttatus***

in UK 4772

in grain fields, in England 4772

preying on, Collembola, in England 4772

Notocelia aquana* (see *Epiblema roborana*)**Notostrix jamaicae***

sp. nov., description of 2325

on coconut 2325

Notoxus, in sorghum fields, in Texas 7276***Notoxus monodon***

in USA 3006, 3706

in cotton fields

effects of interplanted grain crops on
3706

in Oklahoma 3006

sampling of 3006

preying on

Heliothis virescens, in Oklahoma 3706*H. zea*, in Oklahoma 3706**Nova Scotia**

apple in, pest control on 7543

Carabidae in, in hay fields 295

Cydia prunivora in 4309

forest pests in 5673

grassland in, pests of 300

Hemerocampa leucostigma in, on *Abies*
4415

Lepidoptera in 5241

Operophtera brumata in, on apple 6725*Panonychus ulmi* in, on apple 1232,
2870*Paraponyx allionealis* in 2747*Pieris rapae* in, on cole crops 350*Rhagoletis pomonella* in, on apple 1420*Senecio jacobaeae* in, *Tyria jacobaeae* for
biological control of 2755, 3564

soil in, pesticide residues in 6421

streams in, pesticide residues in 6421

novaeollandiae*, *Neocypholaelaps***novaguineae*, *Pseudopalauricis******novella*, *Agalliopsis******novellus*, *Chrysocharis*****NRDC 107 (see Bioresmethrin)****NRDC 143 (see Cyclopropanecarboxylic
acid, 3-(2,2-dichloroethenyl)-2,2-
dimethyl-, (3-phenoxyphenyl)methyl
ester)****NTN-9306 (see Phosphorodithioic acid, *O*-
ethyl *O*-[4-(methylthio)phenyl] *S*-propyl
ester)*****nu*, *Rachiplusia******nubiferana*, *Hedya******nubigera*, *Heliothis*, (*Chloridea*)*****nubilale*, *Trichogramma******nubilalis*, *Ostrinia***(*Pyrausta*)***nubilus*, *Helophorus******nuchicornis*, *Onthophagus*****Nuclease, deoxyribo-**digestion of nuclear polyhedrosis viruses
by 4462in *Serratia marcescens* 6898

- Nuclease, ribo-**, in *Tenebrio molitor*, inhibitor system for 4039
- Nucleic acids**
in *Acheta domestica*, hemel reducing synthesis of 4090
in man, effects of carbaryl on 1058
- Nucleotidase**, in *Tenebrio molitor* 4039
- Nucleotides**, in *Pieris rapae*, affinity of alkaline phosphatase for 6511
- Nucleotidyltransferase, ribonucleate**
in *Euxoa auxiliaris* pox virus 2211
in *Oncopeltus fasciatus*, inhibited by isoxanthopterin-protein complex 6503
- Nuculaspis abietis**
in USSR 6808
on conifers, in Caucasus 6808
- nucum, Curculio (Balaninus)**
- nuda, Cardiocondyla**
- nuda, Perina**
- Nudaurelia cytherea** (see *Imbrasia*)
- nudaureliae, Hockeria**
- nudibasis, Actia**
- nudioculata, Palesisa**
- Numicia**, in Oriental region 6999
- Numicia graminivora**
sp. nov., description of 6999
in Hong Kong 6999
on grasses, in Hong Kong 6999
on shrubs, in Hong Kong 6999
- Numicia graminivora sinensis**
ssp. nov., description of 6999
in China 6999
- Numicia maculosa**
descriptions of 6999
in India 6999
taxonomy of, transferred from *Tambinia* 6999
- Numicia maculosa pusana**
ssp. nov., description of 6999
in India 6999
on sugar-cane, in India 6999
- Numicia viridis**
control of, insecticides for 244
in Swaziland 244
natural enemies of, in southern Africa 5959
on sugar-cane
in southern Africa 5959
in Swaziland 244
- numiciae, Oligosita**
- Nuphar advena, Bellura gortynoides** on, in Indiana 2205
- Nurseries, Helix aspersa** in, in California 4784
- Nut trees**
pest control on, without insecticides 5555
pests of, in USA 5555
Quadraspidiotus perniciosus on, in California 1640
- Nuts (stored), Plodia interpunctella** in, in California 3086
- Nutsedge, yellow** (see *Cyperus esculentus*)
- Nuvacron** (see *Monocrotophos*)
- Nuvacron Combi** (see DDT, with monocrotophos)
- Nuvan** (see *Dichlorvos*)
- nylanderi, Leptothorax**
- Nylanderia**, control of, baits for 2696
- Nylon**, in *Galleria mellonella*, encapsulation of 5447
- nymphaeae, Rhopalosiphum**
- nymphagoga, Catocala**
- Nymphalidae**, on rice, in Papua New Guinea 4852
- Nymphula**, on rice, in Hong Kong 2809
- Nymphula depunctalis**
control of, insecticides for 1951, 7253
in Malaysia 1951
on rice, in Malaysia 1951
- Nymphula diminutalis**
food-plants of 2749
in Pakistan 2749
- Nysius ericae**
in India 6595
on lucerne, in Rajasthan 6595
- Nysius thymi**
in Poland 2039
on Cruciferae, in Poland 2039
- Nysius vinitor**
in Australia 6661, 6791
on purslane, in New South Wales 6661
on sunflower, in Western Australia 6791
on weeds 6661
- Nystatin**, diet component for, *Diparopsis castanea* 1840
- Nythobia armillata** (see *Diadegma*)
- Nythobia fenestralis** (see *Diadegma*)
- Oak** (see *Quercus*)
- Oak, American red** (see *Quercus rubra*)
- Oak, black** (see *Quercus velutina*)
- Oak, cork** (see *Quercus suber*)
- Oak, evergreen** (see *Quercus ilex*)
- Oak, holm-** (see *Quercus ilex*)
- Oak, northern red** (see *Quercus rubra*)
- Oak, Nuttall** (see *Quercus nuttallii*)
- Oak, overcup** (see *Quercus lyrata*)
- Oak, pedunculate** (see *Quercus robur*)
- Oak, scarlet** (see *Quercus coccinea*)
- Oak, southern red** (see *Quercus falcata*)
- Oak, white** (see *Quercus alba*)
- Oat blue dwarf virus**, in, *Macrosteles laevis*, transmission of 6673
- Oat fields, Coleoptera** in, in Finland 4833
- Oat meal**
diet component for
Ahasverus advena 3088
Oryzaephilus mercator 7119
O. surinamensis 7119
in mushroom compost, effects on
Lycoriella auripila of 1924
Oryzaephilus mercator in, development of 6304
O. surinamensis in, development of 6304

Oat meal contd.

pest control in, radio-frequency irradiation for 7471

Oat sterile dwarf virus

in

Javesella pellucida, transmission of 3803, 6673, 7227

Laodelphax striatella, not transmitted 3803

oats, in Finland 7227

Oat straw, *Anthonomus grandis* in, in Texas 4102

Oats (*Avena sativa*)

Acyrtosiphon dirhodum on in Chile 688

in West Germany 5487
varietal preferences of 4251

Agrotis segetum on, in Iran 1340

Anaphothrips obscurus on, in Peru 1245
barley yellow dwarf virus in 2785

aphid transmission of 3110

effects of 3577

in Canada 6041

in Finland 7227

in Turkey 6038

barley yellow stripe, causal agent in, in Turkey 6038

Brachycolus spp. on, toxemia caused by 6038

cereal tillering disease, causal agent in, in Sweden 3803

Chaetocnema hortensis on, in Finland 4833

Chlorops mugivora on, in Japan 5840

Ctenicera incana on, in Finland 4833

Delia coarctata on, anti-arrestant for 6462

Diptera on

in Romania 2769

resistance to 2769

diseases of, in Europe 2770

Euscelis plebeja on, histoid enations associated with 6038

insect resistance in 6377

Javesella pellucida on, in Finland 7227

Lema gallaeciana on damage caused by 2773

in Poland 2772–2773

Macrosiphum avenae on

effects of 3577

in Austria 7228

in Canada 6041

in Michigan 2256

in South Dakota 1344

in West Germany 5487

varietal preferences of 4251

oat sterile dwarf virus in, in Finland 7227

Oria musculosa on 270

Oscinella frit on

effects of sowing date on 5488

in Bulgaria 7230

Oats contd.

Oscinella frit on contd.

in England 7229

in USSR 5488

resistance to 1944

Oulema melanopus on

damage caused by 2773

in Bulgaria 272

in Michigan 2256

in Poland 2772–2773

in Yugoslavia 778, 1343

resistance to 5754

Penthaleus major on, in Queensland 2784

pests of, in Europe 2770

Phyllotreta vittula on, in Finland 4833

Rhopalosiphum maidis on, effects of 3577

R. padi on

damage caused by 6672

in Canada 6041

in Finland 7227

in South Dakota 1344

in USSR 6672

in West Germany 5487

Schizaphis graminum on

damage caused by 6672

in Canada 6041

in South Dakota 1344

in USSR 6672

parasitism of 3580

Spodoptera exempta on, in Rhodesia 4247

Steneotarsonemus panshini on, in USSR 6675

Tripsaxoa strigata on 5404

wheat striate mosaic virus (European) in, in Turkey 6038

Oats (stored grain), arthropods in, in

Yugoslavia 6853

obeliscata, *Thera*, (*Cidaria*)

Obera brevis

biology of 6777

control of 6777

in India 4340, 6160, 6777

on soy bean

damage caused by 4340, 6160, 6777

in India 6777

in Madhya Pradesh 4340

in Uttar Pradesh 6160

varietal preferences of 6160

Obera linearis

biology of 3646

control of 3646

in Italy 3646

on hazel, in Italy 3646

oberthueri, *Vanapa*

obesa, *Sericoides*

obesi, *Microtermes*

obesus, *Odontotermes*

obfuscata, *Lymantria*

- obliqua*, *Anastrepha*
 (Tephritis)
 (Trypeta)
- obliqua*, *Diacrisia*
- obliqua*, *Tomoplagia*, (Trypeta)
- obliquae*, *Apanteles*
- obliquus*, *Eumerus*
- oblongopunctatus*, *Pterostichus*
 (Bothriopterus)
- oblongus*, *Cylister*
- obovatus*, *Brevipalpus*
- obscura*, *Melanaspis*
- obscurata*, *Brachymeria*
- obscurator*, *Hecyra*
- obscurator*, *Orgilus*
- obscurella*, *Madurasia*
- obscurus*, *Agriotes*
- obscurus*, *Anaphothrips*
- obscurus*, *Hylastinus*
- obscurus*, *Pseudococcus*
- obscurus*, *Rhabdoscelus*
- obsoleta*, *Chloridea*
- obsoleta*, *Eleodes*
- obsoleta*, *Tipula*
- obsoletus*, *Carpophilus*
- obsoletus*, *Hyaletthes*
- Obstabil* (see *Tetrachlorvinphos*)
- obtectus*, *Acanthoscelides*
- obtusa*, *Melanagromyza*
- obtusifoliella*, *Phyllonorycter*
- obtusum*, *Bembidion*
- Obuloides rajamohani*
 gen. et sp. nov., description of 1727
 in India 1727
 on *Hibiscus*, in Madras 1727
- Occasitermes*, in Australia 215
- occidentalis*, *Aeneolamia*
- occidentalis*, *Arthrocnodax*
- occidentalis*, *Bombus*
- occidentalis*, *Choristoneura*
- occidentalis*, *Frankliniella*
- occidentalis*, *Metaseiulus*
 (Typhlodromus)
- occidentalis*, *Orussus*
- occidentalis*, *Pogonomyrmex*
- ocellana*, *Spilonota*
- ocellaris*, *Dinoderus*
- ocellata*, *Anatis*
- ocellatus*, *Sitona*
- ocellatus*, *Smerinthus*
- Ochotona pricei*, carbaryl in, effects on reproduction of 6971
- ochrogaster*, *Euxoa*
- ochroleucana*, *Hedya*
- ochropus*, *Arge*
- Ochsenheimeria*
 distribution of 2349
 food-plants of 2349
- Ochsenheimeria vacuella*
 descriptions of 2349
 in USA 2349
 in USSR 2349
- Ochsenheimeria vacuella* contd.
 on grain crops, in USSR 2349
- Ochsenheimeriidae*
 biology of 2349
 distribution of 2349
 taxonomy of 2349
- Ochthera*, marking of, phenolphthalein for 4166
- Ocimum basilicum*, *Ceresa bubalus* on, in Italy 1383
- Ocneria dispar* (see *Lymantria*)
- Ocneria monacha* (see *Lymantria*)
- 9,12-Octadecadienoic acid
 (Z,Z)- (linoleic acid)
 diet component for, *Hyphantria cunea* 5389
 in *Anastrepha suspensa*, effects of age on 5310
 in *Carya glabra*, seasonal changes in 5307
 in *Dermestes maculatus* 585
 in *Icerya purchasi* 2450
 in *Nigella sativa*, insecticidal activity of 5057
 in *Pectinophora gossypiella*, geographical variation in 6513
 in *Pieris brassicae* 4052
 incorporation into lipids of 2400
 in *Pieris brassicae* haemolymph 2421
 in *Quercus falcata*, seasonal changes in 5307
 in *Solenopsis invicta* cuticle 4200
 in *Solenopsis richteri* cuticle 4200
 in *Spodoptera exigua* eggs 1780
 in *Trogoderma granarium*, inhibiting pupation 51
 repellent for, *Trogoderma granarium* 3266
- 3,13-Octadecadien-1-ol
 acetate, (E,Z)-, attractant for, *Aegeria exitiosa* 2413
 acetate, (Z,Z)-, attractant for, Sesiidae 2413
- Octadecanoic acid*
 attractant for
Dermestes maculatus 3343
Tribolium castaneum 3266
 in *Anastrepha suspensa*, effects of age on 5310
 in *Carya glabra*, seasonal changes in 5307
 in *Dermestes maculatus* 585
 effects on development of 3343
 in *Icerya purchasi* 2450
 in *Pectinophora gossypiella*, geographical variation in 6513
 in *Pieris brassicae* 4052
 in *Quercus falcata*, seasonal changes in 5307
 in *Solenopsis invicta* cuticle 4200
 in *Solenopsis richteri* cuticle 4200

Octadecanoic acid, 2-fluoro-

- in *Dermestes maculatus*
effects on feeding of 3343
- toxicity of 3343

9,12,15-Octadecatrienoic acid

- (*Z,Z,Z*)- (linolenic acid)

diet component for

Diparopsis castanea 1840

Hyphantria cunea 1242

Spodoptera exigua 5923

- in *Anastrepha suspensa*, effects of age
on 5310

- in *Carya glabra*, seasonal changes in
5307

- in *Pieris brassicae* 4052
- effects on fatty acid synthesis of
2400

- in *Quercus falcata*, seasonal changes in
5307

phagostimulant for, *Dermestes
maculatus* 3266

repellent for, *Trogoderma granarium*
3266

- 13-Octadecenal, (*Z*)-**, with (*Z*)-11-
hexadecenal, *Chilo suppressalis* sex
pheromone 4070

7-Octadecene, 2-methyl-

(*Z*)-

- not disrupting mating in *Lymantria
dispar* 543, 3400

- with disparlure, mating disrupter for,
Lymantria dispar 3400

9-Octadecenoic acid

(*Z*)- (oleic acid)

attractant for, *Trogoderma granarium*
3266

- in *Anastrepha suspensa*, effects of age
on 5310

- in *Carya glabra*, seasonal changes in
5307

in *Dermestes maculatus* 585

in *Ephialtes roborator* 6478

in *Icerya purchasi* 2450

in *Nigella sativa*, insecticidal activity of
5057

- in *Pectinophora gossypiella*,
geographical variation in 6513

in *Pieris brassicae* 4052

synthesis of 2400

in *Pieris brassicae* diet, digestion and
absorption of 1758

in *Pieris brassicae* haemolymph 2421

in *Quercus falcata*, seasonal changes in
5307

in *Solenopsis invicta* cuticle 4200

in *Solenopsis richteri* cuticle 4200

in *Spodoptera exigua* eggs 1780

in *Trogoderma granarium*, inhibiting
pupation 51

9-Octadecenoic acid contd.

1,2,3-propanetriyl ester

in *Dermestes maculatus* diet,
overcoming effects of lipid
depressant 1631

in *Pieris brassicae* diet, digestion and
absorption of 1758

Solenopsis invicta brood-tending
pheromone 752

2,6-Octadienal, 3,7-dimethyl-

attractant for

Ips grandicollis 2146

Papilio demoleus 1766

1,6-Octadiene, 7-methyl-3-methylene-

in *Ips duplicatus*, as intermediate of
aggregation pheromone 1142

in *Myrmecaria natalensis* poison-gland
secretion 1265

in *Pinus mugo*, not related to gall-midge
infestation 429

with (1 α ,2 α ,5 α)-4,6,6-
trimethylbicyclo[3.1.1]hept-3-en-2-ol,
attractant for, *Dendroctonus
ponderosae* 7414

- 2,6-Octadienoic acid, 3,7-dimethyl-**, in
Camponotus clarithorax mandibular
gland secretion 3530

1,6-Octadien-3-ol, 3,7-dimethyl-

in *Ips pini* 4638

Ips paraconfusus responses to 4638

repellent for, *Papilio demoleus* 1766

Sirex noctilio antennal responses to 6423
(-), in *Zieria smithii* 3926

2,6-Octadien-1-ol, 3,7-dimethyl-

attractant component for, *Popillia
japonica* 3927

attractant for, *Papilio demoleus* 1766

in *Cerura vinula*, effects of 3420

in *Sphinx ligustri*, effects of 3420

(*E*)-, in *Tetranychus urticae* 6486

(*Z*)-, *Oecophylla longinoda* alarm-
pheromone component 4628

acetate, attractant for, *Papilio demoleus*
1766

formate, (*Z*)-, *Tyrophagus putrescentiae*
alarm pheromone 4676

2,7-Octadien-4-ol, 2-methyl-6-methylene-

attractant for, *Ips duplicatus* 1142

in *Ips confusus*, functional unit of 7057

- Octanal, 7-hydroxy-3,7-dimethyl-**, attractant
for, *Papilio demoleus* 1766

Octanal, 7-methoxy-3,7-dimethyl-

in lucerne, methoprene metabolite 1702

in rice, methoprene metabolite 1702

- Octane**, repellent for, *Monochamus
alternatus* 1073

Octanoic acid

in *Camponotus clarithorax* mandibular
gland secretion 3530

in *Dermestes maculatus*, effects on
development of 3343

Octanoic acid *contd.*

- in *Lasius fuliginosus* trail pheromone 2690
- repellent for, *Dermestes maculatus* 3343
- 2,6-dimethyl-5-heptenyl ester, in *Camponotus clarithorax* mandibular gland secretion 3530
- 2-phenylethyl ester, in *Camponotus clarithorax* mandibular gland secretion 3530

Octanoic acid, 2-fluoro-

- in *Dermestes maculatus*
- effects on feeding of 3343
- toxicity of 3343

1-Octanol, 3,7-dimethyl-, in *Anthonomus grandis* 72**3-Octanol**

- in *Atta cephalotes* 748
- in *Atta texana* 748
- in *Camponotus schaefferi* mandibular gland 4043

3-Octanone

- Camponotus schaefferi* alarm pheromone 4043
- in *Atta cephalotes* 748
- in *Atta texana* 748

octasema, Nacoleia**2-Octenal, 2-butyl-,** *Oecophylla longinoda* alarm-pheromone component 4628**6-Octenal, 3,7-dimethyl-,** attractant for, *Papilio demoleus* 1766**6-Octene-2,3-diol, 8-(4-ethylphenoxy)-2,6-dimethyl-, (E)-,** degradation of 595**6-Octenoic acid, 3,7-dimethyl-, (+)-,** in *Camponotus clarithorax* mandibular gland secretion 3530**2-Octen-1-ol, acetate, (E)-,** in *Musgraveia sulciventris* scent gland 41**6-Octen-1-ol, 3,7-dimethyl-,** attractant for, *Papilio demoleus* 1766**7-Octen-4-ol, 2-methyl-6-methylene-** in *Ips paraconfusus* 4638

- Ips pini* responses to 4638

octo, Illattia**octospinosus, Acromyrmex****Octotoma scabripennis,** on *Lantana camara*, and biological control using, in Queensland 2746**oculata, Trijuba, (Saissetia)****Ocypus olens** (see *Staphylinus*)**odaiensis, Florinia****Odinadiplosis amygdali**

- in Lebanon 7014, 7550
- on almond, in Lebanon 7014, 7550
- parasitised by, *Synopeas talhouki*, in Lebanon 7014

Odoiporus longicollis

- control of, insecticides for 2033
- in India 2033
- on banana, in India 2033

Odonata

- in rice swamps, effects of insecticides on 1044
- in Turkey 4141
- predation by 772
- preying on *Chilo polychrysus*, in Malaya 4849
- Scirpophaga incertulas*, in Malaya 4849

Odontomachus simillimus

- in Papua New Guinea 1270, 1490
- in cacao plantations, in Papua New Guinea 1270
- in coffee plantations, in Papua New Guinea 1270
- in eucalypt savanna, in Papua New Guinea 1270
- in kunai grassland, in Papua New Guinea 1270
- in oil-palm plantations, in Papua New Guinea 1270
- on cacao, in Papua New Guinea 1490

Odontopus angolensis (see *Probergrothius*)**Odontotermes,** for competitive displacement of pest termites 3560**Odontotermes badius,** defensive secretion of 212**Odontotermes feae**

- biology of 3561
- in Bangladesh 3561

Odontotermes formosanus

- control of 6647
- insecticides for 6645
- in China 6645, 6647
- in reservoir dams, in Kwangtung Province 6647

Odontotermes obesus

- biology of 3561
- carbohydrates in, digestion and absorption of 4624
- in Bangladesh 3561
- in India 7202
- in Pakistan 3561
- preyed on by

Calotes nemoricola, in India 7202

Sitana ponticeriana, in India 7202

Odynerus, preying on, *Phthorimaea operculella*, in Karnataka 1278**Odynerus ovalis** 1278**Oecanthidae**

- in America 1271
- in Peru 1271
- in West Indies 1271
- taxonomy of 1271

Oecanthus pellucens

- in Poland 7136
- in USSR 313
- on grape vine, in Azerbaijan 313

oeceticola, Copidosoma**Oecophoridae,** parasitised by, *Venturia canescens* 6622

- Oecophylla**, in cacao plantations, in Nigeria 3015
- Oecophylla longinoda**
alarm pheromones in 4628
defensive secretions in 4628
in Ghana 1490, 3014, 7401–7403
in Nigeria 4628
in cacao plantations, in Ghana 7401–7403
on cacao, in Ghana 3014
preying on
 Coelaenomenodera elaeidis, in West Africa 1166
 Miridae, in Ghana 1490
- Oecophylla smaragdina**
in Papua New Guinea 1388, 1490
on cacao, in Papua New Guinea 1490
preying on, *Axiagastus cambelli*, in Papua New Guinea 1388
- Oedaleonotus enigma**
control of, insecticides for 3319
in USA 3319
in grassland, in Washington 3319
- Oedaleus**
in Sudan 7170
radar detection of 1178
- Oedaleus abruptus**
egg-hatch in 3388
embryonic development in 3388
in India 7172
seasonal abundance of 7172
- Oedaleus australis**
in Australia 1233
traps for 1233
- Oedaleus senegalensis**
diapause in, effects of rainfall on 3527
in India 3527
in Nigeria 5423
on millet, in Nigeria 5423
on sorghum, in Nigeria 5423
on sugar-cane, in Nigeria 5423
- Oedipoda caerulea**, development in 5416
- Oedogonium cardiacum**
carbaryl in, residues of 4580
3,5-dimethylphenyl methylcarbamate in, residues of 4580
- Oedothorax apicatus**
in Poland 1602
insecticides in, toxicity of 1602
- Oedothorax insecticeps**
biology of 1961
in Taiwan 1961, 4862
preying on
 Nephotettix cincticeps, in Taiwan 1961, 4862
 Nilaparvata lugens, in Taiwan 1961
- Oenothera biennis**
 Aphis oenotherae on
 in East Germany 3723
 in USA 3723
- Oenothera laciniata**, *Psallus seriatus* on, development of 7389
- Oenotheraceae**, *Aphis oenotherae* on, development of 3723
- oenotherae**, *Aphis officinari*, *Abacarus*
- Oftanol** (see Isofenphos)
- ohara**, *Telicota*
- Ohio**
 Aphis pomi in, on apple 1418
 Coccinella septempunctata in, introductions of 4714
 Dicyphus rhododendri in 6553
 Eriophyidae in 3985
 Magicicada spp. in 7165
 M. cassinii in 6521
 M. septendecim in 6521
 Nicoletia meinerti in 656
 Noctuidae in, on fruit trees 323
 Oribatidae in, in soil 2604
 Ostrinia nubilalis in, on maize 3591
 Otiorhynchus sulcatus in 1739
 Pentatomidae in 2356
 Popillia japonica in 4284
 in turf 3927, 6078
 Scolytus multistriatus in, on *Ulmus* 4392, 4633
 Trutoxa flexa in
 natural enemies of 2972
 on onion 2972
 wood-boring insects in, in *Quercus* timber 5065
 Zygogramma suturalis in, on *Ambrosia* 2757
- Oiketicus kirbyi**
control of, insecticides for 7329
in Brazil 7329
on banana, in Brazil 7329
- Oil crops**, pests of, in Malawi 7685
- Oil emulsions**
against
 Aonidiella aurantii, on *Citrus* 2898
 aphids
 on celery 4511
 on *Citrus* 6746
 on *Vicia faba* 5602
 Aphis pomi, on apple 1418
 Aspidiotus nerii, on *Citrus* 6136–6137
 Bemisia tabaci, on tomato 1476
 Chloropulvinaria aurantii, on *Citrus* 339
 Chrysomphalus aonidum, on orange 5111
 Leucoma salicis, on *Populus* 6817
 Panaphis juglandis, on walnut 1413
 Panonychus citri, on *Citrus* 339
 P. ulmi, on apple 2882, 7309
 Parthenolecanium corni, on red currant 5546
 pests of apple 1421
 Recurvaria nanella 6099
 Saissetia oleae, on olive 1643, 5587

Oil emulsions *contd.*against *contd.*

- Salina celebensis*, on cacao 903
- Unaspis yanonensis*, on *Citrus* 339
- emulsifying agents for 1018
- in *Aculus schlechtendali*, toxicity of 7309
- in aphids, effects on feeding behaviour of 5342
- in *Aphytis chilensis*, toxicity of 6136
- in *Aphytis melinus*, toxicity of 2898
- in *Aspidiotiphagus citrinus*, toxicity of 6137
- in beet, effects on virus transmission of 2665
- in citrus groves, non-target effects of 5111
- in *Metaseiulus occidentalis*, toxicity of 7309
- in olive groves, non-target effects of 1643
- in orange, effects of 3640
- in satsuma, toxicity of 5583
- in *Vicia faba*, toxicity of 5602
- with amitraz, against, *Gascardia destructor*, on *Citrus* 3940
- with azinphos-methyl against
 - Coccus pseudomagnoliarum*, on orange 4328
 - Parlatoria oleae*, on olive 5587
- with *Bacillus thuringiensis*, against, *Malacosoma disstria* 4416
- with γ -BHC against
 - Dendroctonus micans*, on *Picea* 7437
 - Scolytus multistriatus*, in *Ulmus* timber 5666
 - S. scolytus*, in *Ulmus* timber 5666
- with bioremethrin, against, *Tribolium castaneum* 5798
- with carbaryl against
 - Ceroplastes rubens*, on *Citrus* 333
 - Coccus pseudomagnoliarum*, on orange 4328
 - Diaprepes abbreviatus*, on orange 5585
 - in *Apis mellifera*, toxicity of 3319
- with carbophenothion, against, *Panonychus ulmi*, on apple 2882
- with cismethrin, against, *Tribolium castaneum* 5798
- with demephion, against, aphids, on *Vicia faba* 5602
- with diazinon against
 - Epitrimerus pyri*, on pear 1424
 - Parlatoria oleae*, on olive 5587
 - pests of plum 1640
 - Quadraspidiotus perniciosus*, on plum 1640

Oil emulsions *contd.*

with dimethoate

against

- aphids, on *Vicia faba* 5602
- Parlatoria blanchardii*, on date palm 1992
- with disodium carbonate, against, *Ceroplastes rubens*, on *Citrus* 333
- with DNOC against
 - Lepidosaphes ulmi*, on apple 6721
 - Tetranychidae, on fruit trees 6102
- with endosulfan against
 - aphids, on *Vicia faba* 5602
 - Epitrimerus pyri*, on pear 1424
 - Hypothenemus hampei*, on coffee 4987
 - Panonychus ulmi*, on apple 2882
- with ethion against
 - Duplaspidiotus claviger*, on camellia 6804
 - Panonychus ulmi*, on apple 2882
- with fenitrothion against
 - Aonidiella aurantii*, on *Citrus* 334
 - Ceroplastes floridensis*, on *Citrus* 334
 - Chrysomphalus aonidum*, on *Citrus* 334
 - Coccus pseudomagnoliarum*, on orange 4328
 - Lepidosaphes beckii*, on *Citrus* 334
- with formothion, against, *Parlatoria oleae*, on olive 5587
- with lime-sulfur, against, *Epitrimerus pyri*, on pear 1424
- with malathion against
 - Chrysomphalus aonidum*, on orange 5111
 - Parlatoria blanchardii*, on date palm 1992
- with methidathion against
 - Coccus pseudomagnoliarum*, on orange 4328
 - Parlatoria oleae*, on olive 5587
 - pests of plum 1640
 - Quadraspidiotus perniciosus*, on plum 1640
- with methyl-parathion, against, *Parlatoria blanchardii*, on date palm 1992
- with parathion against
 - Aonidiella aurantii*, on *Citrus* 334
 - Aspidiotus nerii*, on *Citrus* 6136-6137
 - Ceroplastes floridensis*, on *Citrus* 334

Oil emulsions contd.with parathion *contd.*against *contd.**Chrysomphalus aonidum*, on *Citrus*
334*Coccus pseudomagnoliarum*, on
orange 4328*Demysus meleoides* 3726*Lepidosaphes beckii*, on *Citrus* 334*Planococcus citri*, on orange 6133*Saissetia oleae*, on olive 1643in *Aphytis chilensis*, toxicity of 6136in *Aspidiotiphagus citrinus*, toxicity of
6137in *Leptomastidea abnormis*, toxicity of
6133in olive groves, non-target effects of
1643

with phenthoate

against

Aonidiella aurantii, on *Citrus* 335*Ceroplastes floridensis*, on *Citrus*
335*Chrysomphalus aonidum*, on *Citrus*
335*Lepidosaphes beckii*, on *Citrus* 335with phosphamidon, against, *Parlatoria*
oleae, on olive 5587with promecarb, against, *Ceroplastes*
rubens, on *Citrus* 333with pyrethrins, against, *Tribolium*
castaneum 5798with silicic acid (H_2SiO_3) disodium salt,
against, *Ceroplastes rubens*, on *Citrus*
333**Oil, mineral**

against

Sitophilus granarius 3891*S. oryzae* 3891in *Tribolium castaneum*, not causing
anoxia 3891interactions of brome mosaic virus and
3114**Oil palm (*Elaeis guineensis*)***Cephaloleia* spp. on, in Colombia 7289*Coelaenomenodera elaeidis* on, in West
Africa 1166*Corythucha gossypii* on, in Colombia
7288*Ganoderma* spp. in

in Indonesia 6711

in Malaysia 6711

Gargaphia spp. on

damage caused by 3615

in Colombia 3615

Hispididae on

in Colombia 5539

in Ecuador 5539

insect pests of, in Malaysia 7290

Leptopharsa gibbicarina on, in Colombia
7288**Oil palm contd.**

oil palm blast disease

causal agent in

in Ivory Coast 7475

insect transmission of 7475

Retracrus elaeis on 2325*Sagallassa* spp. on, in South America
6711*S. valida* on

damage caused by 1990

in Colombia 1990

in Latin America 4452

in Peru 1990

Sibine fusca on, in Colombia 4458*Stephanitis typica* on, in India 7288*Sufetula* spp. on, in South America 6711*S. diminutalis* on

damage caused by 1990

in Colombia 1990

in Peru 1990

S. sunidesalis on

in Indonesia 6711

in Malaysia 6711

Temnoschoita spp. on

damage caused by 1385

in West Africa 1385

Tirathaba mundella on, in Malaya 1991**Oil palm blast disease**

causal agent

in

oil palm

in Ivory Coast 7475

insect transmission of 7475

Oil-palm marchitez sorpresiva 4452**Oil-palm plantations***Anoplolepis longipes* in, in Papua New
Guinea 1270*Odontomachus simillimus* in, in Papua
New Guinea 1270**Oil, transformer, with paraffin oil, against,**
Panonychus ulmi 3277**Oils, in soy-bean seeds, not affected by***Diacrisia obliqua* damage to plant 2059**Oilseed cake (stored), pest control in,**
insecticides for 935**Oilseed crops, pests of, in West Germany**
6993**Oilseeds, arthropod pests of, in Peru 692***Okanagana canadensis*, in Canada 5985***Okanagana rimosa***

biology of 5985

Corynebacterium okanaganae in, in
Ontario 5985

emergence in 6887

in Canada 5984–5985, 6887

Massospora levispora in, in Ontario

5985, 6887

mating song of, attracting parasites 5984

Paecilomyces farinosus in, in Ontario
5985parasitised by, *Colcondamyia auditrix*, in
Ontario 5984–5985

Okanagana rimosa *contd.*

- preyed on by
 - birds, in Ontario 5985
 - spiders, in Ontario 5985
- sex ratio in 6887

Oklahoma

- Curculio caryae* in, on pecan 6715-6716
- Diatraea grandiosella* in 6425
- Elasmopalpus lignosellus* in
 - natural enemies of 3678, 4343
 - on groundnut 4343
- Heliothis* spp. in
 - natural enemies of 3706
 - on cotton 3706
- H. zea* in 3574
 - natural enemies of 3678
- Hypera postica* in, natural enemies of 6633
- Psallus seriatus* in, on cotton 3006
- Schizaphis graminum* in, on sorghum 1938
- Stegasta basqueella* in, natural enemies of 3678

Okra (*Hibiscus esculentus*)

- Alcidodes affaber* on
 - damage caused by 3708
 - in Karnataka 3708
- Amrasca devastans* on 2913
 - damage caused by 4929
 - in Madhya Pradesh 4929
 - in Punjab 7335
 - in Tamil Nadu 854, 1439, 2037
- Anomis flava* on
 - development of 7108
 - in Gujarat 4928
- Aphis gossypii* on
 - in Cyprus 3971
 - in Egypt 178, 4776
 - in Tamil Nadu 582, 854, 1439, 2037
- disulfoton in
 - effects on microflora of 6144
 - residues of 6760
- Earias* spp. on
 - damage caused by 4929
 - in Madhya Pradesh 4929
- E. insulana* on 79
- E. vittella* on, in Karnataka 6896
 - insecticides in, persistence of 6760
 - malathion in, residues of 4927
- Melanagromyza hibisci* on, in Karnataka 6893
- okra mosaic virus in, in Nigeria 6145
- phorate in, effects on insect susceptibility of 2037
- Spodoptera littoralis* on, development of 3439
- Tetranychus neocaledonicus* on
 - development of 734
 - in Karnataka 4920
- Trachys herilla* on, in Haryana 3648
- yellow-vein mosaic virus in, in Tamil Nadu 1439

Okra mosaic virus

in

- Bemisia tabaci*, transmission of 6145
- cotton, infectivity of 6145
- okra, in Nigeria 6145
- Phaseolus mungo*, infectivity of 6145
- Podagrica sjostedti*, transmission of 6145
- P. uniformis*, transmission of 6145
- Syngus calcaratus*, transmission of 6145
- Vigna unguiculata*, infectivity of 6145

Okra yellow-vein mosaic virus, in, okra, in Tamil Nadu 1439***Olcella provocans***

- descriptions of 7277
- in Canada 7277
- in grassland, in Alberta 7277

Olea europaea (see Olive)**Oleaceae**

- Podosesia syringae* on
 - damage caused by 922
 - in Mississippi 922

oleae, *Coccus***oleae, *Dacus*****oleae, *Filippia*****oleae, *Prays*****oleae, *Saissetia*****Oleander** (see *Nerium oleander*)**Olean-12-ene-23,28-dioic acid, 2,3-dihydroxy-, ($2\beta,3\beta,4\alpha$)-**, in lucerne, role in insect resistance of 308**oleellus, *Prays*** (see *P. oleae*)**Oleic acid** (see 9-Octadecenoic acid, (*Z*)-)**oleivora, *Phyllocoptruta*****olens, *Staphylinus*, (*Ocypus*)****Oleo-europeine**, stimulating oviposition in *Dacus oleae* 3228**Oleo-europeine, dimethyl-**, stimulating oviposition in *Dacus oleae* 3228**Oleokorlin** (see BHC (γ -isomer), with oil emulsion)**Oleoparaphene** (see Parathion, with oil emulsion)**Oleosumifene** (see Fenitrothion, with oil emulsion)**oleracea, *Lacanobia*, (*Mamestra*)****oleracea, *Tipula*****oleraceum, *Eurydema******Olesicampe benefactor***

in Canada 3833

parasitising

Pristiphora erichsonii

and biological control using

in Canada 3547

in Minnesota 3833

in USA 3547

Olesicampe lophyri

in Canada 5452

parasitising, *Neodiprion swainei*, in Quebec 5452***Olethreutes lacunana*** (see *Argyroplote*)

- Olfaction**, in insects 4056
oliarana, *Ifeneura*
oligommata, *Anthemidaphis*
Oligonychus
 in Thailand 3174
 on rice, in West Bengal 5513
- Oligonychus biharensis***
 in Taiwan 1403
 on grapevine, in Taiwan 1403
- Oligonychus biotae***, taxonomy of, synonym
 of *O. ununguis* 6815
- Oligonychus coffeae***
 in India 2108
 in Sri Lanka 1498
 on tea
 in Assam 2108
 in Sri Lanka 1498
- Oligonychus hondoensis***
 control of, acaricides for 3739
Entomophthora spp. in, in Nagasaki
 Prefecture 3739
E. floridana in, in Japan 5734
 in Japan 3739, 5734
 on *Cryptomeria japonica*
 in Japan 5734
 in Nagasaki Prefecture 3739
 predators of
 effects of pesticides on 3739
 in Nagasaki Prefecture 3739
- Oligonychus indicus***
 control of, acaricides for 2819
 in India 5513, 7275
 on rice, in West Bengal 5513
 on sorghum 2819
 in Rajasthan 7275
 varietal preferences of 7275
- Oligonychus mangiferus***
 in India 1296
 on mango, in Karnataka 1296
 preyed on by, *Menochilus sexmaculatus*,
 in Karnataka 1296
- Oligonychus oryzae***
 in India 5513
 on rice, in India 5513
- Oligonychus pini***, on *Pinus* 6815
- Oligonychus pratensis***
 control of, acaricides for 5484
 in USA 5484
 on maize, in Texas 5484
 on sorghum, in Texas 5484
- Oligonychus rollowi***, taxonomy of, synonym
 of *O. ununguis* 6815
- Oligonychus stickneyi***
 control of, acaricides for 5484
 in USA 5484
 on maize, in Texas 5484
- Oligonychus ununguis***
 on *Picea* 6815
 taxonomy of
Oligonychus biotae as synonym of
 6815
O. rollowi as synonym of 6815
- Oligonychus ununguis* contd.**
 complex of, taxonomy of 6815
- Oligosita***
 parasitising
Balyana spp., in Malagasy Republic
 5540
Coelaenomenodera perrieri, in Malagasy
 Republic 5540
- Oligosita longiclavata***, parasitising,
Coelaenomenodera elaeidis, in West
 Africa 5540
- Oligosita numiciae***
 biology of 5959
 parasitising, *Numicia viridis*, in southern
 Africa 5959
- Oligota***, preying on, *Oligonychus*
hondoensis, in Nagasaki Prefecture
 3739
- Oligota oviformis***
 descriptions of 4014
 in Taiwan 2909
 osmeterium in 4014
 preying on, *Tetranychus truncatus*, in
 Taiwan 2909
- Oligotrophidi**, taxonomy of 1104
- olitoria***, *Coelidia*
olivacea, *Autoba*
olivaceus, *Hydrophilus*
olivaceus, *Paraschizognathus*
olivaceus, *Polistes*
- Olive** (*Olea europaea*)
Dacus oleae on
 in France 4780
 in Greece 2900, 4026, 6552
 in Spain 342
 in Tunisia 1433
- Euphilippia olivina* on, in France 2722
- Euphyllura olivina* on
 in Iran 5587
 in Tunisia 1433
- Lindingaspis ferrisi* on, in Egypt 3511
- Palpita unionalis* on, in Egypt 3642,
 5588
- Parlatoria oleae* on, in Iran 5587
- Pollinia pollini* on, in France 2722
- Prays oleae* on
 in France 2575
 in Spain 6140
 in Tunisia 1433
- Prolasioptera berlesiana* on, in Greece
 6552
- Raoiella macfarlanei* on, in Libya 3634
- Saissetia oleae* on
 in Crete 6130
 in France 2722
 in Greece 5103, 6135, 6626
 in Iran 5587
 in Italy 1643
 in Spain 3641
- Olive groves**, insecticides in, non-target
 effects of 1643

- Olive oil**, diet component for, *Dacus oleae* 666, 3229
- olivieri**, *Polyphylla*
- olivina**, *Euphilippia* (see *Filippia follicularis*)
- olivina**, *Euphyllura*
- Olla abdominalis sobrina**
in USA 2844
preying on, *Cerataphis variabilis*, in Florida 2844
- ollagnieri**, *Hispoleptis*
- Olokemeja**, gen. n., description of 6047
- Olokemeja kilima**
sp. n., description of 6047
in Nigeria 6047
- olsuffevi**, *Linnaemya*
- Omadine** (see 2(1*H*)-Pyridinethione, 1-hydroxy-)
- Omalus aeneus**
in USSR 6011
parasitising, *Psenulus schencki*, in Russian Republic 6011
- ombrodelta**, *Cryptophlebia*
- Omethoate** (*O,O*-dimethyl *S*[2-(methylamino)-2-oxoethyl]phosphorothioate)
against
Aphis gossypii 3289
on cotton 3707, 4361
Bemisia tabaci, on tomato 7381
Caliothrips fasciatus, on cotton 4361
Delia coarctata, on wheat 7229
Empoasca lybica, on cotton 3707
Musca domestica 3289
Myzus humuli, on hop 226, 3942, 3944, 7220
M. persicae
on *Gerbera jamesonii* 1501
on tobacco 397
Opomyza spp., on wheat 7229
Oscinella frit, on oats 7229
pests of fruit trees 1629
pests of grapevine 1629
pests of hop 1629
Tetranychus spp., on cotton 4361
T. arabicus, on cotton 891
T. cucurbitacearum, on cotton 891
T. turkestanii, on cotton 3707
T. urticae 6602
on *Gerbera jamesonii* 1501
in cabbage, residues of 528
in cherry, residues of 4564
in *Citrus*, dimethoate metabolite 1687
in *Coccinella septempunctata*, toxicity of 3294
in *Dicyphus eckerleini*, toxicity of 3294
in *Macrolophus rubi*, toxicity of 3294
in plum, residues of 528
in *Prunus cerasus*, residues of 4564
in tea, dimethoate metabolite 5781
resistance to, in, *Anidiella aurantii*, in South Africa 6138
synergists for 3289
- Omethoate** *contd.*
with leptophos
against
Aphis gossypii, on cotton 3707
Bemisia tabaci, on cotton 3707
Empoasca lybica, on cotton 3707
Tetranychus turkestanii, on cotton 3707
- Omite** (see Propargite)
- Ommexichidae**
feeding behaviour in 4698
in Argentina 4698
- Ommochromes**, in *Pieris brassicae* eyes 5257
- omnivorus**, *Psychophagus*
- Omorgus mutabilis** (see *Campoplex*)
- Omphale chryseis**
in France 1984
parasitising, *Contarinia medicaginis*, in France 1984
- Oncometopia alpha**
development in 2375
in USA 2375
on *Populus fremontii*, in Arizona 2375
on *Salix*, in Arizona 2375
on *Vicia faba* 2375
- Oncometopia nigricans**
coconut lethal yellowing disease, causal agent in 6087
in USA 6087
on coconut, in Florida 6087
- Oncopeltus fasciatus**
antennae in, sensilla on 7037
electroantennograms of, in response to male and female extracts 7073
isoxanthopterin-binding protein in 6503
JH mimics in, metabolism of 1128
methoprene in
effects of 5941
metabolism of 5941
rearing of, techniques for 660
terpenoid ethers in, JH activity of 1003
- Oncometopia alboguttata**
control of, insecticides for 4879
in Australia 4879
in pastures, in New South Wales 4879
- Oncopera brachyphylla**
control of, insecticides for 2832
in Australia 301, 2832
in pastures
damage caused by 301
in Queensland 301, 2832
- Oncopera intricata**
in Australia 1366
in pastures, in Tasmania 1366
preyed on by, *Pheidole* spp. 4793
- Oncopera mitocera**
control of, insecticides for 2832
in Australia 301, 2832
in pastures
damage caused by 301
in Queensland 301, 2832

Oncopera rufobrunnea

- control of, insecticides for 4879
- in Australia 1366, 4879
- in pastures
 - in New South Wales 4879
 - in Tasmania 1366

oneratus, Otinotus**Onion (*Allium cepa*)**

- Aceria tulipae* on, in USSR 6526
 - arthropod pests of, in UK 545
 - chlorfenvinphos in, toxicity of 3948
 - Delia antiqua* on
 - in Netherlands 5135
 - in New York 4558
 - in Poland 7652
 - diazinon in, effects on germination of 3948
 - Hylemya antiqua* on
 - in France 2652
 - in Netherlands 2460, 3968
 - in UK 3948
 - H. platura* on, in UK 3948
 - insect pests of, in Quebec 5474, 5476
 - isofenphos in, effects on germination of 3948
 - leafhoppers on, in Poland 5590
 - leptophos in, residues of 1658
 - Liriomyza nitzkei* on, in Italy 6174
 - Margaritita sticticalis* on, in Ukraine 5402
 - oviposition deterrence of extracts of 7338
 - pest control on 1608
 - in Poland 6757
 - in Switzerland 3862
 - in UK 3272
 - Phytobia cepae* on, in Taiwan 379
 - thrips on, in South Africa 5944
 - Thrips tabaci* on
 - in Bulgaria 3700
 - in Chile 4329
 - in Queensland 381
 - in Taiwan 380
 - T. tabaci* on tobacco crops preceded by 2100
 - Tritoxa flexa* on, in Ohio 2972
- Onion (stored bulbs)**
- Carpophilus dimidiatus* in, in USA 1846
 - Ephestia cautella* in
 - damage caused by 4432
 - in Andhra Pradesh 4432
- Oniscoidea**
- control of 6590
 - in dwellings, in Canada 6590
- Oniscus**
- control of 6590
 - in dwellings, in Canada 6590
- Onitis distinctus*, amino acids in haemolymph of 1753**
- onobrychis, Acyrthosiphon* (see *A. pisum*)**

Onobrychis viciifolia*, pests of, in Romania 1980**ononidis, Therioaphis onopodos, Neurogalesus*****Ontario**

- apple in, pest control on 7543
- Bombus* spp. in, natural enemies of 6003
- Choristoneura fumiferana* in 3756
 - natural enemies of 4789
 - on *Abies* 3742, 5671, 6848–6851, 7428
 - on *Picea* 3742, 5671, 6223–6224, 6848–6851
- Crioceris asparagi* in, on asparagus 6143
- Cydia pomonella* in, natural enemies of 6115
- C. prunivora* in 4309
- Dasineura aceris* in, on *Acer* 3761
- Diabrotica longicornis* in, on maize 1691, 6050
- Euxoa detersa* in, on tobacco 6598
- E. messoria* in
 - on tobacco 6195
 - on vegetable crops 6360
- E. ochrogaster* in, on vegetable crops 6360
- fish in, pesticide residues in 6387
- forest pests in 5673
- Hyalophora* spp. in, on *Larix* 3371
- Hylemya brassicae* in 3565
 - natural enemies of 378
 - on swede 378
- Hypera postica* in, on lucerne 2837, 5527
- Leptinotarsa decemlineata* in
 - on potato 1679
 - on tomato 1679
- Liriomyza sativae* in 6175
- Listronotus oregonensis* in, on carrot 877, 7370
- man in, pesticide residues in 6387
- Mythimna unipuncta* in, on maize 2793
- Myzus persicae* in, on tobacco 398
- Neodiprion sertifer* in
 - natural enemies of 4800
 - on *Pinus* 5034, 7415
- Okanagana canadensis* in 5985
- O. rimosa* in, natural enemies of 5984–5985, 6887
- Ostrinia nubilalis* in 1145–1146
 - on maize 1691, 6048
- Palus beirnei* in, on grasses 1101
- Panonychus ulmi* in, on peach 3276
- peach in, pest control on 7543
- Pissodes strobi* in, on *Pinus* 1065
- Psila rosae* in, on carrot 7370
- Psithyrus* spp. in, natural enemies of 6003
- Reticulitermes flavipes* in 4816
- Rhagoletis pomonella* in, on apple 1420
- Rhopalosiphum maidis* in 1176
 - on maize 6049
- Rhyacionia buoliana* in, on *Pinus* 1283

Ontario contd.

- Schizolachnus piniradiatae* in
 - natural enemies of 6890
 - on *Pinus* 6890
- soil in, pesticide residues in 6387
- Spodoptera frugiperda* in 1176
- Stenolophus comma* in 1054
- Trichoplusia ni* in, on cabbage 463
- Trirhabda borealis* in, on *Solidago canadensis* 6200
- T. canadensis* in, on *Solidago canadensis* 6200
- wolves in, insecticide residues not found in 4561
- ontario, Actia**
- ontario, Apechthis, (Ephialtes)**
- Onthophagus nuchicornis*, in soil, efficiency of dung burial by 4285
- onusta, Tipula**
- Onychiurus*, on sugar-beet, in West Germany 2949
- Onychiurus armatus*
 - in UK 5616
 - on sugar-beet, in England 5616
- Onychiurus fimetarius*
 - in UK 5616
 - on sugar-beet, in England 5616
- Onychiurus folsomi*, insecticides in, toxicity of 3304
- Onychiurus justi porteri* (see *O. folsomi*)
- Ooencyrtus**
 - flight activity in 192
 - oviposition in 192
 - parasitising, *Ennomos subsignarius*, in Connecticut 192, 909, 2147
- Ooencyrtus clisiocampae* 192, 909
- Ennomos subsignarius* not parasitised by 5999
- Ooencyrtus ennomophagus*
 - sp. n., description of 2339
 - diapause in, effects of temperature on 2471
 - in USA 2339, 5999
 - Lymantria dispar* not parasitised by 5999
 - parasitising
 - Alsophila pometaria* 5999
 - Ennomos subsignarius* 5999
 - in Connecticut 2339
 - Malacosoma americanum*, in Connecticut 5999
 - parasitising, *Ennomos subsignarius* 2471
- Ooencyrtus ennomus* (see *O. ennomophagus*)
- Ooencyrtus fecundus*
 - hosts of, selection of 6005
 - in Morocco 6005
 - parasitising
 - Aelia germari*
 - and biological control using 7232
 - in Morocco 6005
- Ooencyrtus kuwanai*
 - biology of 7524

Ooencyrtus kuwanai contd.

- development in, effects of growth regulators on 5144
- Ennomos subsignarius* not parasitised by 5999
- in Bulgaria 7524
- in Romania 2206
- parasitising
 - Lymantria dispar*
 - and biological control using
 - in Bulgaria 7524
 - in Yugoslavia 5448
 - in Romania 2206
- Ooencyrtus telenomicida*
 - in USSR 4811
 - parasitising, *Eurygaster integriceps*, in USSR 4811
- oophilus, Biosteres, (Opus)**
- Ootetrastichus beatus*
 - biology of 5959
 - parasitising, *Numicia viridis*, in southern Africa 5959
- opaca, Eleodes**
- opaciceps, Atta**
- opalus, Pachnaeus**
- Opatrini*, silk of 4049
- operculella, Phthorimaea* (*Gnorimoschema*)
- Operophtera**
 - in West Germany 5684
 - parasitised by, *Cyzenis albicans* 6628
- Operophtera brumata*
 - activity in 1162-1163
 - control of
 - Bacillus thuringiensis* for 2875, 6904
 - growth regulators for 6725
 - insecticides for 2875, 3738
 - eggs of, coldhardiness of 7436
 - flight activity in 1163
 - in Austria 439
 - in Canada 6725
 - in Czechoslovakia 6904, 7436
 - in Denmark 1163
 - in France 7549
 - in Hungary 4307
 - in Poland 2875
 - in Switzerland 3626
 - in USSR 3738, 5454
 - in West Germany 6111
 - on apple
 - effects of clean cultivation on 6111
 - in Hungary 4307
 - in Nova Scotia 6725
 - in Poland 2875
 - in Switzerland 3626
 - in West Germany 6111
 - on *Crataegus*, in Denmark 1163
 - on medlar, in Hungary 4307
 - on pear, in Hungary 4307
 - on plum, in France 7549
 - on *Quercus*
 - in Czechoslovakia 6904, 7436

***Operophtera brumata* contd.**on *Quercus* contd.

in USSR 5454

on quince, in Hungary 4307

on *Ulmus*, in Denmark 1163parasitised by, *Chorinaeus xanthopsis*
7018

population dynamics of 3626

preyed on by, *Formica* spp., in USSR
5454***Operophtera fagata***

in Austria 439

in Denmark 2130

on *Fagus*, in Denmark 2130

traps for 2130

Ophideres fullonica* (see *Othreis fullonia*)**Ophiola flavopicta*, aster yellows, causal**

agent in, transmission of 461

Ophiomyia phaseoli

biology of 6777

control of 6777

insecticides for 729, 859, 1448, 3665,
6770, 6778, 7345

food-plants of 2055

in Egypt 1448, 3665

in India 6160, 6770, 6777–6778, 7345

in Indonesia 729

in Malaysia 861

in Pakistan 2055

in Philippines 859

in USA (Hawaii) 6156

on *Cajanus cajan*, in India 6770on *Phaseolus aureus*

in Malaysia 861

in Philippines 859

on *Phaseolus mungo*, in India 6770on *Phaseolus vulgaris*

in Hawaii 6156

in Indonesia 729

on soy bean

damage caused by 2055, 6160, 6777

in India 6777–6778

in Indonesia 729

in Pakistan 2055

in Uttar Pradesh 6160

resistance to 723, 7358

varietal preferences of 6160

on *Vicia faba*, in Egypt 1448on *Vigna mungo*, in Delhi 7345on *Vigna radiata*, in Delhi 7345on *Vigna unguiculata*

in Egypt 3665

in Hawaii 6156

parasitised by

Opius importatus, and biological control

using, in Hawaii 6156

O. phaseoli, and biological control

using, in Hawaii 6156

Plutarchia spp., in Malaysia 861***Ophion flavidus***

in Brazil 1884

***Ophion flavidus* contd.**parasitising, *Spodoptera frugiperda*, in
Brazil 1884***Ophioneurus*, keys to 17*****Ophioneurus longiclavatus***

sp. n., description of 17

in Italy 17

parasitising, *Rhynchites auratus*, in Italy
17***Ophionia indica***

in Thailand 3596

preying on, *Orseolia oryzae*, in Thailand
3596***ophiopsis*, *Raphidia******Ophiusa maturata***

illustrations of 2002

in South Korea 2002

on grapevine, in South Korea 2002

Ophiusa tirhaca

illustrations of 2002

in India 3516

in South Korea 2002

on grapevine, in South Korea 2002

on pomegranate, in Rajasthan 3516

on *Rosa indica*, in Rajasthan 3516***Opiinae*, body size in 182***Opiliones*, preying on, *Cydia pomonella*, in
France 6732***Opilionida* (see *Opiliones*)*****Opilo domesticus***

in Italy 2179

preying on, *Penichroa fasciata*, in Italy
2179***opinator*, *Syrphus******Opius***emergence in, effects of JH minics on
3263

in Austria 2633

parasitising

Liriomyza congesta, in Egypt 4777*L. sativae* 3263***Opius cosyrae***

in Uganda 1496

parasitising, *Ceratitis coffeae*, in Uganda
1496***Opius desideratus* (see *Biosteres*)*****Opius dimidiatus***

in Canada 6175

in USA 4924

parasitising

Liriomyza sativae, in Ontario 6175*L. trifolii*, in Florida 4924*Opius importatus*, parasitising, *Ophiomyia*
phaseoli, and biological control using, in
Hawaii 6156***Opius longicaudatus* (see *Biosteres*)***Opius melanagromyzae*, taxonomy of, *Opius*
phaseoli misidentified as 6156***Opius oophilus* (see *Biosteres*)**

- Opius phaseoli***
parasitising, *Ophiomyia phaseoli*, and
biological control using, in Hawaii
6156
taxonomy of, misidentified as *O.*
melanagromyzae 6156
- Opius scabriventris***
in Argentina 3660
parasitising, *Liriomyza huidobrensis*, in
Argentina 3660
- Opius wesmaelii***
in Spain 2946
parasitising, *Pegomya hyoscyami*, in Spain
2946
- Oplostomus fuliginosus***
in South Africa 5954
pest of honeybee, in South Africa 5954
- Opogona sacchari***
biology of 6201
control of, insecticides for 4992, 6201
descriptions of 6201
distribution of 6201
food-plants of 6201
on *Dracaena fragrans*
damage caused by 4992
imported into Italy 4992
on ornamental plants
damage caused by 6201
in Italy 6201
on *Sansevieria trifasciata*
damage caused by 4992
imported into Italy 4992
taxonomy of 6201
- Opomyza***
control of, insecticides for 7229
on wheat, in England 7229
- Opomyza florum***, in West Germany 1611
- Opomyza germinationis***
in UK 4288
in West Germany 1611
in grassland, in Northern Ireland 4288
- Oporinia dilutata*** (see *Epirrita*)
- Opostegidae**
in Irish Republic 4594
in UK 4594
keys to 4594
- oppositus*, *Leptoglossus***
- oppressana*, *Gypsonoma***
- Opsiphanes invirae***
descriptions of 5243
in Brazil 5243
on coconut, in Brazil 5243
- Optunal** (see Benzoic acid, 2-
[(aminomethoxyphosphinothioyl)oxy]-, 1-
methylethyl ester)
- opulenta*, *Prospaltella***
- Opuntia***
Cactoblastis cactorum on
and biological control using
in Australia 5112
in Mauritius 5112
in South Africa 5112
- Opuntia* contd.**
Cactoblastis cactorum on *contd.*
and biological control using *contd.*
in South America 5112
Dactylopius ceylonicus on, in Sri Lanka
555
D. opuntiae on
in Kenya 555
in Sri Lanka 555
in Tamil Nadu 555
in Texas 555
D. tomentosus on, in Nevada 555
- Opuntia aurantiaca***
Dactylopius austrinus on
in Argentina 555
in New South Wales 555
in Queensland 555
in South Africa 555
- Opuntia fulgida*, *Dactylopius tomentosus*** on,
in Arizona 555
- Opuntia imbricata***
Dactylopius tomentosus on
and biological control using, in South
Africa 555
in Arizona 555
in Mexico 555
in Texas 555
- Opuntia inermis*, *Dactylopius opuntiae*** on,
in New South Wales 555
- Opuntia megacantha*, *Dactylopius opuntiae***
on, in South Africa 555
- Opuntia monacantha*, *Dactylopius confusus***
on, and biological control using, in South
Africa 555
- Opuntia streptacantha*, *Dactylopius opuntiae***
on, in Queensland 555
- Opuntia stricta*, *Dactylopius confusus*** on, in
Queensland 555
- Opuntia tardiospina*, *Dactylopius opuntiae***
on, in South Africa 555
- Opuntia tomentosa*, *Dactylopius opuntiae***
on, in New South Wales 555
- Opuntia tunicata*, *Dactylopius tomentosus***
on, and biological control using, in South
Africa 555
- opuntiae*, *Dactylopius***
- Orach** (see *Atriplex hortensis*)
- orana*, *Adoxophyes***
- Orange** (*Citrus sinensis*)
Aleurothrixus floccosus on, in Spain
4915
Aonidiella aurantii on
in South Africa 4327, 6138
susceptibility to 3638
aphids on, in California 1907
Ceratitis capitata on, in Italy 5131
Chrysomphalus aonidum on, in Egypt
5111
citrus tristeza virus in, aphid transmission
of 4912
Coccus aegaeus on, in Greece 6121
C. hesperidum on, in Corsica 5108

Orange contd.*Coccus contd.*

- C. pseudomagnoliarum* on
damage caused by 4328
in Italy 4328

Cryptophlebia leucotreta on, in South
Africa 6139

Dacus dorsalis on, in California 221

Dialeurodes citri on, in Italy 6905

Diaphorina citri on, in Punjab 341

Diaprepes abbreviatus on

in Florida 6752

in Puerto Rico 5585

Empoasca citrura on, in South Africa
1430

Gascardia destructor on

in Queensland 2895

in South Africa 4327

insecticides in, effects of 3640

Insulaspis gloverii on, in Nigeria 3635

Lepidosaphes beckii on

in France 6134

in Nigeria 3635

Mettriona bicolor on, in USA 7142

Neolaliturus tenellus on, in California
945

oil emulsions in, effects of 3640

Panonychus citri on

in California 1907

in Florida 2897

in Italy 2028

in South Africa 4327

Parlatoria pergandii on, in Morocco
6126

Phyllocoptruta oleivora on, damage caused
by 1431

P. oleivora on

in Surinam 2893

in Taiwan 4187

Planococcus citri on, in Italy 6133

Plectrophorus lutra on, in Surinam 3637

Saissetia oleae on

damage caused by 4328

in Corsica 5108

in Florida 2897

Scirtothrips citri on, in California 1907

Spiroplasma citri in, leafhopper

transmission of 3118

Stenella spp. in, in Surinam 2893

Toxoptera citricida on, in South Africa
4912

Trioza erytrae on, in South Africa 340

Orange extract, *Spodoptera littoralis* feeding
responses to 2670

Orange, Seville (see Orange, sour)

Orange, sour (*Citrus aurantium*)

Aleurothrixus floccosus on, in France
5099

Aonidiella aurantii on, susceptibility to
3638

Bemisia citricola on, in Italy 6551

Orange, sour contd.

Ceratitis capitata on

in Cyprus 3971

in Italy 3871

citrus tristezza virus in, aphid transmission
of 4912

Dialeurodes citri on, in France 6123

Diaprepes abbreviatus on, resistance to
2892

Eutetranychus orientalis on, damage
caused by 1432

Phytoseius plumifer on, development of
211

Toxoptera citricida on, in South Africa
4912

Orange, summer (see *Citrus natsudaia*)

Orange, sweet (see Orange)

oratoria, *Leptocorisa*

orbigera, *Azya*

orbitalis, *Antestiopsis*

orbitalis, *Pristomerus*

orbonalis, *Leucinodes*

orbis, *Chilocorus*

Orchard pests

in Australia 7686

in West Germany 1634

Orchards

Apis mellifera in, protection from
pesticides of 7676

beneficial insects in, in Bulgaria 3873

Coccinellidae in

in Moldavia 7204

in Poland 1106

Drosophila melanogaster in, in West
Germany 1645

Helix aspersa in, in California 4784

pest control in 5113, 7638

in Australia 7545

in Poland 6718, 7540

in Switzerland 7534

in UK 4181

in USA 7542

integrated 1642

Tortricidae in, in France 1139

Orchesia, in Japan 7021

orchidii, *Chaetanaphothrips*

Orchids, *Diaspis boisduvalii* on, in Colombia
5532

Orconectes, dieldrin in, residues of 7671

Orconectes virilis, fenitrothion in, residues
of 5207

Orcus chalybeus

in USA (Hawaii) 4386

preying on, *Coccus viridis*, in Hawaii
4386

sex ratio in 4386

Oregon

Cydia pomonella in

natural enemies of 7317

on pear 7317

Dendroctonus pseudotsugae in, on
Pseudotsuga 4391, 4999

Oregon contd.

- Dendroctonus* contd.
D. rufipennis in, on *Picea* 4391
Dolerus nitens in, on *Festuca* 299
Drosophila melanogaster in 1741
Epitrimerus pyri in
 damage caused by 3632
 on pear 3632
 estuarine fauna in, pesticide residues in 6409
Euxoa ochrogaster in 2473
 on peppermint 2977
Hemerocampa pseudotsugata in 3075
 on *Abies* 1521
 on *Pseudotsuga* 1515, 1521
Hypera postica in, on lucerne 303
 marine fauna in, pesticide residues in 6409
Marmara oregonensis in
 on *Abies* 2343
 on *Pseudotsuga* 2343
Otiorynchus sulcatus in 1739
Pachynematus setator in, on *Festuca* 299
 pea in, pests of 2928
Pleocomma spp. in, on *Pseudotsuga* 6814
Rhagoletis indifferens in
 natural enemies of 3471
 on cherry 2020, 2886
 seals in, organochlorine residues in 3322
Sitona lineatus in, on pea 363
Xyleborus dispar in 4398
oregonensis, *Listronotus*
oregonensis, *Marmara*
oregonensis, *Pentamerismus*
Oreopsycha plumifer (see *Ptilocephala*)
Orfamone (see 8-Dodecen-1-ol, acetate, (Z)-)
Organic phosphates
 in mammals, metabolism of 2644
 toxicological aspects of 5167
Organochlorine insecticides
 environmental pollution with 536
 in *Canis lupus*, residues of 4561
 in coastal biota, residues of 6412
 in environment, residues of 4572
 in silt, residues of 6421
 in soil, residues of 6421
 in vertebrates, effects of 4572
 in water, residues of 6421
Organophosphates, metabolism of 1010
Organotin compounds, assessing
 toxicological properties of 5156
Orgilus elasmopalpi
 in USA 3678, 4343
 parasitising, *Elasmopalpus lignosellus*, in
 Oklahoma 3678, 4343
Orgilus lepidus
 in Argentina 1277
 in Uruguay 1277
 parasitising, *Phthorimaea operculella*, in
 South America 1277
Orgilus modicus
 in USA 3678

***Orgilus modicus* contd.**

- parasitising, *Stegasta basqueella*, in
 Oklahoma 3678
Orgilus obscurator
 in West Germany 202
 parasitising
Rhyacionia buoliana
 and biological control using, in
 Canada 202
 in West Germany 202
Orgilus walleyi
 in USA 3678
 parasitising, *Stegasta basqueella*, in
 Oklahoma 3678
Orgyia
 cocoons of 1844
 sex pheromone of 1844
Orgyia anartoides
 in Australia 225
 on *Duboisia leichardtia*, in Queensland 225
 on *Duboisia myoporoides*, in Queensland 225
Orgyia antiqua
Bacillus thuringiensis in, effects of food-
 plants on 1032
 biology of 912
 control of
Bacillus thuringiensis for 912, 1032
 integrated 5663
 emergence and wing expansion in 1754
 in West Germany 912, 3030, 5663
 on blackberry 1032
 on *Crataegus* 1032
 on pear 1032
 on *Picea* 1032
 in West Germany 912, 3030, 5663
Paecilomyces farinosus in, in West
 Germany 912
 parasites of, in West Germany 3030
 parasitised by
Coccygomimus turionellae, in West
 Germany 912
Phobocampe crassiuscula, in West
 Germany 912
Telenomus dalmanni, in West Germany
 912, 5663
 parasitism of, role in determining control
 measures of 5663
 polyhedrosis virus in, in West Germany
 912
 preyed on by, *Picromerus bidens*, in West
 Germany 912
Orgyia dubia
 biology of 5401
 descriptions of 5401
 in USSR 5401
Orgyia leucostigma (see *Hemerocampa*)
Orgyia pseudotsugata (see *Hemerocampa*)
Orgyia trigotephras
 biology of 3774
 in Spain 3774

***Orgyia trigotephra* contd.**

on *Quercus ilex*, in Spain 3774

Oria musculosa

biology of 270, 2787

control of, crop management for 270

distribution of 270

food-plants of 270

in Iran 2787

in USSR 3856

on barley, in Iran 2787

on grain crops, in USSR 3856

on *Lolium temulentum*, in Iran 2787

***Oribatei*, in soil 2605**

Oribatid mites, in pasture soil, factors affecting populations of 1367

Oribatidae

in grassland, in Japan 177, 1976

in soil

effects of DDT on 2604

in Ohio 2604

orichalcea*, *Diachrysa

(*Phytometra*)

(*Plusia*)

Oriental region, *Numicia* spp. in 6999

orientalis, *Aethus laticollis*

orientalis, *Anomala*

orientalis, *Aonidiella*

(*Aspidiotus*)

orientalis, *Balanococcus*

orientalis, *Blatta*

orientalis, *Coruna*

orientalis, *Dorylus*

orientalis, *Eutetranychus*

orientalis, *Hemichroa* (see *H. crocea*)

orientalis, *Macrosteles*

orientalis, *Meloboris*

orientalis, *Pineus*

orientalis, *Pipunculus*

orientalis, *Pygaera anastomosis*

orientalis, *Tipula*

origani, *Eupteryx*

Orinocarabus nemoralis (see *Carabus*)

Orius

in cotton fields, in Mexico 3699

in maize fields, in Egypt 4836

in sorghum fields, in Texas 7276

in soy-bean fields, in South Carolina 365

insecticides in, toxicity of 3915

preying on

Contarinia sorghicola, in Gujarat 6009

Phytobia incisa, in Bulgaria 279

Tetranychus truncatus, in Taiwan 2909

T. urticae, in Turkey 6602

seasonal abundance of 365, 3699, 4836

Orius insidiosus

disulfoton in, toxicity of 3202

in USA 4803, 5935

in irrigated pastures

in Nebraska 5935

sampling of 5935

***Orius insidiosus* contd.**

preying on, Tetranychidae, in Missouri 4803

Orius minutus

in UK 796

preying on, *Cydia pomonella*, in England 796

Orius niger

in Bulgaria 5650

in USSR 6920

preying on

Heliothis armigera, in Tadzhikistan 6920

Thrips tabaci, in Bulgaria 5650

Orius tristicolor

in USA 889, 3712, 4291

in cotton fields

effects of insecticides on 3712

in California 889, 3712

in lucerne fields, in California 4291

orizicola*, *Sogatodes**Ornamental plants**

Aldiododes waltoni on, in Tamil Nadu 2116

aphids on

in France 982

in Italy 2118

in Kenya 1897

in Poland 186

Aphis oenotherae on, in East Germany 3723

arthropod pests of, in UK 545

Autographa gamma on, in Egypt 4182

Brevipalpus obovatus on

in Bulgaria 3725

in Egypt 3440

Clania crameri on 4996

Collembola associated with, in Belgium 3028

Danaus plexippus on, in Hawaii 4993

Demyrsus meleoides on, in Italy 3726

Diaprepes abbreviatus on, in Mississippi 4994

Epichoristodes acerbella on 407

Heliothis armigera on

damage caused by 3691

in New Zealand 3691

Hyalarcta huebneri on 6206

Hyalomyzus spp. on, in Maryland 2117

Kerria lacca on, in Tamil Nadu 7406

Lindingaspis ferrisi on, in Egypt 3511

Liriomyza sativae on 6756

mite control on 7666

mites on, in Egypt 3539

Opogona sacchari on

imported into Italy 4992

in Italy 6201

pest control on 6811

biological 6354

in UK 4181

Ornamental plants *contd.*

pests of

in Denmark 5400

in UK 3728

in USSR 6431

in West Germany 6993

Phenacoccus solani on, in Florida 410*Plutella xylostella* on

damage caused by 6762

in Canada 6762

Popillia japonica on, in Georgia (USA) 5523*Pseudococcus longispinus* on

in Egypt 4092

in Florida 410

Quadraspidiotus perniciosus on, in USSR 5552*Saissetia coffeae* on, in Florida 410*Steneotarsanemus laticeps* on, in UK 7407*Syngrapha circumflexa* on, in Egypt 4182*Taeniothrips simplex* on 7408*Tetranychus turkestani* on, in USSR 6102

thrips on, in Bulgaria 3027

Xanthopastis timais on, in Brazil 2112*Xyleborus affinis* on, in Florida 411*X. ferrugineus* on, in Florida 411**Ornamental trees**, pests of 7285*ornatrix*, *Utetheisa**ornatum*, *Eurydema**ornatus*, *Diplazon**ornatus*, *Myzus**orni*, *Leperisinus***L-Ornithine**, in *Dysdercus cingulatus* hemolymph 1782**L-Ornithine**, N^2 -(aminocarbonyl)-in *Dichocrocis punctiferalis* 4076in *Marasmia trapezalis* 4076in *Dysdercus cingulatus* hemolymph 1782**ornithogalli**, *Spodoptera***Orobanche***Agrotis ipsilon* on, in Gujarat 901

on sunflower, in Russian Republic 7388

Phytomyza spp. on, and biological control using, in Russian Republic 7388**Orocrambus**

flight activity in 4280

in grassland, in New Zealand 4280

life-cycle of 4280

taxonomy of 3977

Orocrambus simplex

in New Zealand 3977

taxonomy of, transferred from *Crambus* 3977**Orosius albicinctus**

in India 887

on sesame, in Tamil Nadu 887

sesamum phyllody virus in

in Tamil Nadu 887

Orosius albicinctus *contd.*sesamum phyllody virus in *contd.*

transmission of 887

Orseolia oryzae (see also *Pachydidiplosis oryzae*)

biology of 6689

control of 6690

cultural measures for 6689

insecticides for 1950, 3596, 4866, 6064

in Bangladesh 4854

in India 1962, 4858, 4866, 6064, 6689-6690, 7271, 7274

in Indonesia 1950, 7270

in Thailand 3596

on rice

effects of fertilizers on 1962

effects of weather on 7271

galls of 4858

in Andhra Pradesh 4858

in Bangladesh 4854

in India 2799, 6690

in Indonesia 7270

in Java 1950

in Karnataka 7274

in Kerala 7271

in Madhya Pradesh 6689

in Tamil Nadu 1962, 4866, 6064

in Thailand 3596

resistance to 6690, 7274

evaluation of 7260

genetics of 7564

parasites of, in Indonesia 7270

parasitised by

Neanastatus gallarius, in Thailand 3596*Platyaster* spp., in Thailand 3596*P. oryzae*, in Thailand 3596

population dynamics of 7270

preyed on by, *Ophionia indica*, in Thailand 3596

taxonomy of, transferred from

Pachydidiplosis 3596**Orthaga exvinacea**, parasitised by,*Tetrastichus israeli* 6640**Orthene** (see *Accephate*)**Orthezia praelonga**

in Brazil 5586

on lemon, in Brazil 5586

Orthezia tillandsiae

in USA 3025

on *Tillandsia usneoides*, in Georgia (USA) 3025**Ortheziidae**, in Chile 691**Ortho 9006** (see *Methamidophos*)**Orthocephalus funestus**, digestive enzymes in 2396**Orthocide** (see *Captan*)**Orthodibrom** (see *Naled*)**Orthogalumna terebrantis**

in Argentina 3458

on *Eichhornia azurea*, in Argentina 3458

***Orthogalumna terebrantis* contd.**

- on *Eichhornia crassipes*, in Argentina 3458
- on *Pontederia lanceolata*, in Argentina 3458
- oviposition in 3458

Orthomorpha gracilis

- biology of 4749
- control of 4749
- in UK 4749

Orthomus barbarus* (see *Pterostichus*)**Orthops campestris***

- control of, insecticides for 2067
- in Poland 2067
- on carrot
 - damage caused by 2067
 - in Poland 2067
- on parsley
 - damage caused by 2067
 - in Poland 2067

Orthops kalmii

- control of, insecticides for 2067
- in Poland 2067
- on carrot
 - damage caused by 2067
 - in Poland 2067
- on parsley
 - damage caused by 2067
 - in Poland 2067

Orthoptera

- as indicators of landscape type 7175
- Chilo* iridescent virus in, infectivity of 3828
- eggs of 3379
- in Turkey 4141
- on sugar-cane, in Bahamas 7222
- parasitised by
 - Centrodora* spp. 1306
 - Tumidiscapus* spp. 1306

Orthopteroidea

- feeding behaviour in 95
- food preferences of 95
- in Spain 95
- in farm yards
 - effects of pesticides on 7168
 - in Michigan 7168
- taxonomy of 1732

Orthosia

- biology of 2865
- on apple, in New York 2865
- on fruit trees, in Ohio 323
- on pear, in New York 2865

Orthosia cruda

- in Italy 919
- on *Quercus suber*, in Italy 919
- population dynamics of 919

Orthosia gracilis

- in USSR 1872
- on soy bean, in USSR 1872
- parasitised by
 - Blepharigena erythrocerata*, in USSR 1872

***Orthosia gracilis* contd.**

- parasitised by contd.
 - Siphona maculata*, in USSR 1872

Orthosia hibisci

- in USA 323, 2865
- on apple, in New York 2865
- on fruit trees, in Ohio 323
- on pear, in New York 2865

Orucyba*, gen. n., description of 6047**Orucyba mollis***

- sp. n., description of 6047
- in Nigeria 6047

Orussus occidentalis

- host selection in 2493
- in USA 2493
- oviposition in 2493
- parasitising, wood-boring insects, in California 2493

Orussus sayii*, oviposition in 2493**Oryctes*, *Melolontha melolontha* lethargy disease agent in, pathogenicity of 6880*****Oryctes boasi*, wings in, folding mechanism of 5269*****Oryctes elegans***

- in Iran 7287
- on palm
 - in Iran 7287
 - increasing susceptibility to termites 7287

Oryctes rhinoceros

- Beauveria bassiana* in, not pathogenic 2218

***B. tenella* in, not pathogenic 2218**

- behaviour in 4106
- biology of 2847
- control of, integrated 3613
- elytra in, relation of adult weight to 4155

in Fiji 6357**in India 3613****in Papua New Guinea 2847****in Western Samoa 3612, 4106*****Metarhizium anisopliae* in, pathogenicity of 2218*****Nomuraea rileyi* in, not pathogenic 2218****on banana, rearing of 5929****on coconut****damage caused by 3612****in Fiji 6357****in India 3613****in New Britain 2847****in Western Samoa 3612*****Paecilomyces fumosoroseus* in, not pathogenic 2218****pupal weight in, relation of adult weight to 4155****rearing of, techniques for 5929*****Rhabdionvirus oryctes* in, and biological control using, in Fiji 6357****traps for 2847*****Oryza alta*, *Cnaphalocrocis medinalis* on, in Tamil Nadu 832**

- Oryza eichingeri*, *Cnaphalocrocis medinalis* on, in Tamil Nadu 832
- Oryza fatua*
Nephotettix virescens on, development of 2189
 rice penyakit merah virus in infectivity of 2189
 symptoms of 2189
- Oryza latifolia*, *Cnaphalocrocis medinalis* on, in Tamil Nadu 832
- Oryza malampuzhaensis*, *Cnaphalocrocis medinalis* on, in Tamil Nadu 832
- Oryza minuta*
Nephotettix virescens on, unable to develop 2189
 rice penyakit merah virus in, not infective 2189
- Oryza perennis*, *Cnaphalocrocis medinalis* on, in Tamil Nadu 832
- Oryza perennis* × *O. eichingeri*,
Cnaphalocrocis medinalis on, in Tamil Nadu 832
- Oryza ridleyi*
Nephotettix virescens on, unable to develop 2189
 rice penyakit merah virus in, not infective 2189
- Oryza sativa* (see Rice)
- Oryza subulata*, *Cnaphalocrocis medinalis* on, in Tamil Nadu 832
- oryzae*, *Chloethrips*
- oryzae*, *Latheticus*
- oryzae*, *Oligonychus*
- oryzae*, *Orseolia* (*Pachydiplosis*)
- oryzae*, *Oulema*
- oryzae*, *Pachydiplosis*
- oryzae*, *Platygaster*
- oryzae*, *Sitophilus* (*Calandra*)
- oryzae*, *Thrips* (see *Baliothrips biformis*)
- Oryzaephilus*, in *Ephestia kuehniella* nests 4712
- Oryzaephilus mercator*
 behaviour in, effects of light on 3782
 γ-BHC resistance in, testing for 1207
 biology of 1800
 bromomethane resistance in, testing for 2543
 control of
 fumigants for 3197
 insecticides for 2226, 3796
 development in
 effects of diet on 4100, 6304
 effects of humidity on 6304
 fecundity in, effects of wheat varieties on 3103
 fertility in, effects of infrasound on 7119
 food preferences of 7458
 in Canada 6237
 in dwellings, in Canada 6237
- Oryzaephilus mercator* contd.
 in lasagna macaroni, development of 7462
 in lasagna noodles, development of 7462
 in milk powder 7458
 development of 7459
 in oat meal, development of 6304
 in packaging materials, penetration by 6291
 in prunes, development of 6304
 in raisins, development of 6304
 in rape seeds, development of 6323
 in rice flour, development of 1800
 in stored almonds, development of 6304
 in stored groundnuts, development of 114
 in stored maize, development of 114
 in stored rice, development of 114
 in stored wheat
 development of 114
 effects of dockage on 5054
 in sunflower seeds, development of 6323
 in wheat flour 7458
 larval development in, effects of wheat varieties on 3103
 malathion resistance in, testing for 1207
 male genitalia in 7036
 nutrition of 2418, 4644, 5852
 oviposition in, effects of diet on 4100
 phosphine resistance in, testing for 2543
 preying on, *Plodia interpunctella* 114
 sex ratio in, effects of diet on 4710
- Oryzaephilus surinamensis*
 amino acids in 4680
Bacillus thuringiensis in 5729
 γ-BHC resistance in
 in UK 5177
 testing for 1207
 bromomethane resistance in, testing for 2543
 climatic plasticity of 6236
 control of 1557
 fumigants for 4442–4443
 growth regulators for 5053, 5768, 7464
 inert atmospheres for 2169, 7444, 7451
 inert dusts for 5709
 insecticides for 449, 1022, 3796, 5177, 5798, 6245, 6276, 6295, 7595
 γ-irradiation for 3792
 radio-frequency irradiation for 7471
 detection of, bait traps for 5706
 development in 1799
 effects of diet on 6304
 effects of humidity on 6304
 effects of temperature and humidity on 7451
 fertility in, effects of infrasound on 7119
 food preferences of 7458
 fungi in 6227
 in Australia 1557
 in Chile 6245

***Oryzaephilus surinamensis* contd.**

- in Denmark 6237
- in East Germany 2172
- in India 1562, 4437
- in Malaysia 6295
- in UK 5177, 6237, 6249, 7595
- in USA 5709
- in Yugoslavia 449, 5718
- in composite cans, resistance to 4431
- in dwellings, in Denmark 6237
- in flour mills, in India 1562
- in granaries, in Yugoslavia 449
- in lasagna macaroni, development of 7462
- in lasagna noodles, development of 7462
- in maize meal, extraction of 657
- in maltings, in UK 6237
- in milk powder 7458
 - development of 7459
- in oat meal, development of 6304
- in packaging materials
 - penetration by 6291
 - resistance to 454
- in prunes, development of 6304
- in raisins, development of 6304
- in stored almonds, development of 6304
- in stored grain
 - effects of pneumatic conveyers on 2172
 - in East Germany 2172
 - in UK 6237, 7595
 - in Victoria 1557
- in stored maize 5050, 7188
 - interactions of other pests and 3784
- in stored rice 5050
 - in Malaysia 6295
- in stored wheat 5050
 - damage caused by 4437
 - effects of dockage on 5054
 - in Chile 6245
 - in Kansas 5709
 - in Uttar Pradesh 4437
 - varietal preferences of 4437
- in sunflower seeds, in Yugoslavia 5718
- in wheat flour 7458
 - extraction of 657
- insecticide resistance in 1532
- malathion resistance in
 - in UK 5177, 6249
 - testing for 1207
- Nosema oryzaephili* in, pathogenicity of 184
- N. whitei* in, pathogenicity of 184
- ozone in, toxicity of 3091
- phosphine resistance in, testing for 2543
- population density of 5718
- preyed on by
 - Tenebroides mauritanicus* 7472
 - Tribolium castaneum* 3087, 4433
 - Xylocoris flavipes* 7188
- traps for 7595

oryzaetora*, *Tomosvaryella***oryzophilus*, *Lissorhoptrus*****Osage-orange** (see *Maclura pomifera*)***Oscinella***, on *Lolium perenne*, in Northern Ireland 4289***Oscinella coxendix***

- descriptions of 7277
- in Canada 7277
- in grassland, in Alberta 7277

Oscinella frit

- biology of 2790, 7230
- control of
 - baits for 5488
 - cultural measures for 7230
 - insecticides for 1608, 1612, 3583, 3936, 7229–7230
- in Bulgaria 7230
- in East Germany 2790
- in Mongolia 4142
- in UK 3936, 4288, 4827, 7229
- in USA 5326
- in USSR 5488
- in West Germany 3583
- in Yugoslavia 1351
- in grassland, in Northern Ireland 4288
- life-tables for 5326
- on barley, in Bulgaria 7230
- on grasses, in East Germany 2790
- on maize
 - in East Germany 2790
 - in England 3936
 - in Europe 1612
 - in West Germany 3583
 - in Yugoslavia 1351
- on oats
 - effects of sowing date on 5488
 - in Bulgaria 7230
 - in England 7229
 - in USSR 5488
 - resistance to 1944
- on *Phalaris arundinacea*, in Virginia 5326
- on *Vicia*, in USSR 5488
- on wheat
 - in England 4827
 - in USSR 5488

Oscinella incerta

- in Canada 7277
- in grassland, in Alberta 7277

Oscinella nitidissima

- in UK 4288
- in grassland, in Northern Ireland 4288

Oscinella pusilla

- in USSR 5488
- in Yugoslavia 1351
- on barley, in USSR 5488
- on maize, in Yugoslavia 1351
- on wheat, in USSR 5488

Osmia georgica

- biology of 4695
- in USA 4695
- nests of, destruction by ants of 4695

***Osmia georgica* contd.**

parasitised by, *Chrysura pacifica*, in
Tennessee 4695

Osmia sordida

in Egypt 2765

on *Satureia hortensis*, as pollinator 2765

Osmium oxide (OsO₄), fixative for nuclear
polyhedrosis viruses 4462

ostmarki*, *Colaspis

Ostomatidae, preying on, bark beetles, in
USSR 6627

Ostrinia furnacalis

control of, insecticides for 5500

growth regulators in, activity of 7084

in Papua New Guinea 5500

on maize

in New Britain 5500

in New Ireland 5500

Ostrinia kasmirica

in India 3143

on *Cirsium arvense*, in Himachal Pradesh
3143

Serratia marcescens in

effects of 3143

in Himachal Pradesh 3143

Ostrinia nubilalis

bacteria in, in Iowa 7485

biology of 6056, 6684, 7249

blood-brain barrier in 6469

carbaryl in, metabolism of 3269

control of 7249

bacterial preparations for 5497

biological 6623

cultural measures for 6679

insecticides for 1612, 1691, 2411,
2795, 4558, 5505, 7609

integrated 6680

mating disruption for 3461

3,3'-diaminobenzidine in, oxidation in
brain of 6469

diapause in

effects of growth regulators on 6505

effects of light on 5325

hormonal control of 2439-2440

ecotypes of, in North America 3591

fecundity in, effects of diet on 7111

forecasting outbreaks of, use of light-traps
in 5762

hemocytes in 6493

in Austria 7249

in Bulgaria 1194, 5504-5505, 5762

in Canada 1145-1146, 1691, 3591, 6048

in China 6680

in Egypt 2579, 4836

in France 5497, 5502, 7609

in Iran 6056

in Italy 6623

in Romania 1353, 1837, 2795-2796,
4716

in Spain 6684

in Switzerland 1948, 4837, 6678

***Ostrinia nubilalis* contd.**

in USA 1145-1146, 2412, 2724, 2789,
3461, 3584-3588, 3591, 4260, 4265,
4558, 5499, 5508, 7485-7486

in USSR 6621, 6679

in West Germany 1634

in Yugoslavia 5325

in orchards, in West Germany 1634

larvae of, anatomy and histology of 7033

larval development in, effects of diet on
7111

mating in 1146

muscles in, cold and salt resistance during
overwintering of 5878

Nosema pyraustae in 7244-7245

effects of 7486

in Minnesota 7486

storage of spores of 951

nutrition of 6685

on maize

damage caused by 3585-3588

effects of deep ploughing on 6679

effects of fertilizers on 5504

effects of irrigation on 5504

effects of plant spacing on 5504

effects of sowing date on 5504, 6684

forecasting infestations of 6684

in Austria 7249

in Bulgaria 5504-5505

in Delaware 2724

in Egypt 4836

in Europe 1612

in France 5497, 5502

in Georgia (USA) 4260, 4265

in Hopei Province 6680

in Iowa 5499

in Iran 6056

in Massachusetts 5508

in Minnesota 7486

in New York 4558

in North Dakota 2789

in Ontario 1691, 6048

in Romania 1353, 2795-2796

in Spain 6684

in Switzerland 1948, 4837, 6678

in Ukraine 6621, 6679

in USA 3585-3588

resistance to 1353, 2796, 4259, 5501,
6679, 7244-7246

evaluation of 284

on sorghum, in Austria 7249

parasitised by

Apanteles melanoscelus, in Italy 6623

Aplomya caesar, in Massachusetts
5508

Campoletis viennensis, in Italy 6623

Diadegma crassicornis, in Italy 6623

Eriborus terebrans

in Italy 6623

in Massachusetts 5508

Gelis cinctus, in Italy 6623

Hypsicera curvator, in Italy 6623

***Ostrinia nubilalis* contd.**parasitised by *contd.**Itopectis melanocephala*, in Italy 6623*Lixophaga* spp., in Massachusetts 5508*Lydella thompsoni*, in France 5497*Macrocentrus grandii*, in Massachusetts 5508*Rogas tristis*, in Italy 6623*Sympiesis viridula*, in Massachusetts 5508*Trichogramma* spp., and biological control using, in Ukraine 6621*T. evanescens*and biological control using
in France 5502
in Switzerland 6678*T. nubilale*, in Delaware 2724***Perezia pyraustae*** in

effects of 484

effects on overwintering and pupation
of 2789

in North Dakota 2789

population growth in

effects of irrigation on 1194

prediction of 7111

preyed on by

Cantheconidea furcellata 4227*Chrysopa* spp., and biological control
using 971

pupal development in

effects of diet on 7111

initiation of 2439

rearing of, techniques for 5393, 5932

reproduction in 5499

seasonal abundance of 4836

sex pheromone of 1145-1146, 1837

natural variation in 5758

taxonomy of, characters for 1948

traps for 1146, 1634, 1837, 1948, 2411,
2579, 5499, 6678

zinc sulfate in, effects on growth of 5142

Oswaldia assimilis

in USA 1916

parasitising, *Plathypena scabra*, in Iowa
1916**Othniidae**

flight activity in 3057

on *Araucaria cunninghamii*, in Papua
New Guinea 3057

traps for 3057

Othoniobates batesi

entomopox virus in

in New South Wales 6044

pathogenicity of 6044

Entomopoxvirus spp. in, properties of
1597

in Australia 6044

in pastures, in New South Wales 6044

on wheat, in New South Wales 6044

Othreis fullonia

illustrations of 2002

in South Korea 2002

***Othreis fullonia* contd.**

on grapevine, in South Korea 2002

Othreis materna, traps for 1224***Otinotus lignicola*** (see *O. oneratus*)***Otinotus oneratus***

in India 1847

on *Cajanus cajan*, in Tamil Nadu 1847

on kenaf, in Tamil Nadu 1847

on *Prosopis juliflora*, in Tamil Nadu
1847on *Sesbania*, in Tamil Nadu 1847***Otiiorhynchus lederi*** (see *O. ligustici lederi*)***Otiiorhynchus ligustici***

in Bulgaria 1194

population growth in, effects of irrigation
on 1194***Otiiorhynchus ligustici lederi***

control of, soil cultivation for 5654

in USSR 5654

on lilac, in RSFSR 5654

Otiiorhynchus salicis

enzymes in 7096

in Austria 7096

in Czechoslovakia 7096

in Poland 7096

in Sweden 7096

triploidy in 7096

Otiiorhynchus sulcatus

biology of 5542

control of

Beauveria bassiana for 5542

insecticides for 1739, 5542

in Canada 6095

in Sweden 5542

in UK 5978

in USA 1739

insecticide resistance in, in Ohio 1739

on chrysanthemum, in Northern Ireland
5978

on grapevine, in British Columbia 6095

on *Rhododendron*, in USA 1739

on strawberry, in Sweden 5542

on *Taxus*, in USA 1739**Otopheidomeninae**, in Taiwan 5833***ou, Rachiplusia*****Ouabain**in *Bombyx mori*, effects on diapause of
4059in *Locusta migratoria*, inhibition of
ATPase by 3521***Oulema gallaeciana*** (see *Lema*)***Oulema lichensis*** (see also *Hapsidolema
lichensis*)

in Yugoslavia 1351

on maize, in Yugoslavia 1351

Oulema melanopus

biology of 272, 2772

control of

computer mapping in 3259

insecticides for 272, 1941, 2256, 3385

Entomophthora spp. in, in Poland 2774

in Bulgaria 272, 1941

***Oulema melanopus* contd.**

- in Canada 5407
- in Finland 2273
- in Poland 2772-2774
- in USA 620, 778, 2256, 2772, 3259, 6676
- in Yugoslavia 778, 1343, 1351
- legislation on, in Quebec 5407
- mating in, effects on feeding and oviposition of 2477
- on barley
 - in Bulgaria 272
 - in Yugoslavia 1343
 - resistance to 5754
- on grain crops
 - damage caused by 2773
 - in Poland 2772-2773
- on grasses, in Poland 2772
- on maize, in Yugoslavia 1351
- on oats
 - in Bulgaria 272
 - in Michigan 2256
 - in Yugoslavia 778, 1343
 - resistance to 5754
- on wheat
 - in Bulgaria 272, 1941
 - in Michigan 6676
 - in Yugoslavia 778, 1343
 - resistance to 1343, 2782, 5754, 6676

parasitised by***Anaphes flavipes***

and biological control using

in Indiana 778

in Michigan 778

in Poland 2774

in Yugoslavia 778

***Diaparsis* spp.**

in Michigan 6676

Lemophagus curtus

in Michigan 6676

Tetrastichus julis

in Michigan 6676

in Poland 2774

population density of, relation of individual size to 620

population dynamics of 1941

models of 653

preyed on by

Chrysopidae, in Poland 2774

Coccinellidae, in Poland 2774

mites, in Poland 2774

Oulema oryzae

hyperparasites of, in Ishikawa Prefecture 2812

in Japan 1286, 2812

in South Korea 1286

on rice, in Ishikawa Prefecture 2812

parasites of, in Ishikawa Prefecture 2812

parasitised by

Ichneumonidae

in Japan 1286

in South Korea 1286

ovalis*, *Amblyseius***ovalis*, *Hemerobius******ovalis*, *Odynerus******ovatula*, *Andrena******ovatus*, *Anoplonyx******Ovatus crataegarius***

control of, insecticides for 224

in Bulgaria 224

on mint, in Bulgaria 224

Ovatus insitus*, in Poland 7144*Ovenbird (see *Seiurus aurocapillus*)****Overwintering***Aculus fockeui* 4910*Acyrtosiphon pisum* 6774*Adelphocoris lineolatus* 5530, 6082*Aelia* spp. 1941*Agathis rufipes* 6107*Amphimallon solstitiale* 4281*Anthonomus grandis* 2992, 3453, 4102, 4362, 6191, 7059*Aonidiella aurantii* 5098, 5104*A. citrina* 5104*Aphis gossypii* 5643*Aphytis lepidosaphes* 6134*Aporia crataegi* 5551*Aspidiotiphagus citrinus* 1894, 5101, 5466*Autographa gamma* 4985*Baliothrips biformis* 6687*Bemisia tabaci* 3005, 5640*Bruchophagus roddi* 6082, 6084*Bucculatrix pyrivorella* 4317*Busseola fusca* 5958*Byctiscus betulae* 6724*Byturus urbanus* 5545*Calophasia casta* 5479*Cassida nobilis* 7368*Cenopalpus pulcher* 3442*Cerapteryx graminis* 5522*Ceratitis capitata* 5131*Ceresa bubalus* 1383*Cerotoma trifurcata* 7357*Chilo suppressalis* 3279*Chorinaeus funebris* 1294, 1896*Chryseria helluo* 6353*Chrysomphalus dictyospermi* 5104

Chrysopidae 5459

Coccygomimus turionellae 6107*Contarinia sorghicola* 2818, 5518*Corythucha ciliata* 6831*Costelytra zealandica* 1368*Curculio elephas* 7299

Curculionidae 2677

Cydia funebrana 4622, 5323, 5357, 6735*C. molesta* 2889, 5139*C. nigricana* 4337*C. pomonella* 2530, 5565, 6732, 7196, 7315*C. pyrivora* 6118*C. splendana* 7299*Dacus tryoni* 49*Dasineura laricis* 7442*D. mali* 5563

Overwintering contd.

- Delia brassicae* 5592–5593
D. platura 5592–5593
Dendrosoter protuberans 6000
Dialeurodes citri 6123
Diapsidiotus danzigae 7017
Diatraea saccharalis 263
Didesmococcus unifasciatus 4895
Dinarmus acutus 3554
Elatobium abietinum 6216
Encyrtus infidus 7186
Epitrimerus pungiscus 3769
E. pyri 3632
Eriophyes amygdali 7296
E. similis 6737
Euarestoides acutangulus 6659
Eugnorisma miniago 2858
Eulecanium bituberculatum 5570
E. tiliae 7307
Euproctis kargalica 6548
Eurygaster spp. 1941, 2783
E. integriceps 273, 2498, 4809, 7235
Evergestis forficalis 626
Glyphipterix simplicella 6700
Gryllus pennsylvanicus 4709
G. veletis 4709
Gypsonoma haimbachiana 5013
Heliothis virescens 359
H. zea 359, 5328, 6682
Hylemya platura 2910
Hypera postica 6709
Hyphantria cunea 5980
Ips paraconfusus 4406
Kimminsia subnebulosa 5460
Kyboasca bipunctata 6183
Laodelphax striatella 4132
Lema gallaeciana 2772
Leptinotarsa decemlineata 2960, 5746, 6530, 6784
Leptocoris trivittatus 6601
Leptopterna dolabrata 6701
Lepyrus palustris 4618
Leucinodes orbonalis 5329
Leucoma salicis 6817
Liotryphon punctulatus 6108
Lobesia botrana 6094
Longitarsus exoletus 7212
Longiunguis sacchari 1971
Loxostege sticticalis 7109
Lygus lineolaris 7334
L. pratensis 5530
Macdunnoughia confusa 4246
Macrolophus rubi 2101
Margaritita sticticalis 7278
Mayetiola destructor 5492
Megastigmus aculeatus 4239
Meligethes schilskyi 7212
Metaseiulus occidentalis 4910
Molorchus minor 5536
Mythimna unipuncta 6077
Myzus humuli 4821
M. persicae 4961

Overwintering contd.

- Neodiprion sertifer* 2481
Neoplectops pomonellae 6107
Oncometopia alpha 2375
Oscinella frit 2790
Osmia georgica 4695
Ostrinia nubilalis 2789, 5878, 6056, 6684
Oulema melanopus 2772
Pammene fasciana 7299
Panonychus ulmi 3629
Paraleucoptera sinuella 6828
Paralipsa gularis 2174
Pectinophora gossypiella 2999, 3007, 3703–3704
Pegohylemyia fugax 5592
Pemphigus spirothecae 6213
Perilloides bioculatus 7103
Periploca mimula 5019
Phalera bucephala 5677
Phyllonorycter blancardella 4906
P. corylifoliella 6719
Phytomyza heringiana 1414
Pineus orientalis 5676
Plutella xylostella 6762
Podontia quattuordecimpunctata 7327
Polymerus cognatus 5530
Pristiphora abbreviata 1414
Pristomerus vulnerator 6107
Prociophilus pini 6830
Pseliopus barberi 4804
P. cinctus 4804
Pseudoplysia includens 3670
Psylla pyrisuga 7316
Pygaera anastomosis 3052
Recurvaria nanella 6099
Rhyacionia neomexicana 3066
Schizaphis graminum 6037
Scolytus mediterraneus 6720
Semiothisa clathrata 6705
Sitona crinitus 7350
S. lineatus 7350
Sphaeraspis salisburyensis 813
Stelidota geminata 2475
Steneotarsonemus panshini 6675
 Syrphidae 7105
Tetranychus urticae 3166, 6602
T. viennensis 6547
Tetrastichus julis 3385
Thrips tabaci 5650
Trichomma enecator 6107
Triclistus podagricus 1896
T. pygmaeus 1896
Tychius flavus 6082
Zetzellia mali 4910
Zygogramma suturalis 2757
oviformis, Oligota
Oviposition-detering pheromones
Callosobruchus chinensis 7639
Rhagoletis cerasi 5271
Ovis aries (see Sheep)
ovisopis, Gryllus
Owadofos (see Fenitrothion)

- Owadophos** (see Fenitrothion)
- Owadziak** (see BHC (γ -isomer))
- 1,3,4-Oxadiazolidine-2,5-dione**, methidathion photoproduct 1014
- Oxalic acid** (see Ethanedioic acid)
- Oxalis**, *Colopalu oxalis* on, in Brazil 6550
- Oxalis cernua**, *Amblyseius swirskii* on, feeding on pollen 7217
- oxalis**, *Colopalu*
- Oxamyl** (methyl 2-(dimethylamino)-*N*-[[[(methylamino)carbonyl]oxy]-2-oxoethanimidothioate) against
- Acyrthosiphon pisum*, on lucerne 3915, 4293
 - Atomaria linearis*, on sugar-beet 3945
 - Blaniulus guttulatus*, on sugar-beet 3945
 - Brachydesmus superus*, on sugar-beet 3945
 - Hylemya platura*, on *Phaseolus vulgaris* 3951
 - Hypera brunneipennis*, on lucerne 4293
 - Hyperodes bonariensis*, on *Lolium* 3186
 - Liriomyza trifolii* on celery 4923 on lettuce 4923
 - Saissetia coffeae*, on *Aphelandra squarrosa* 3729, 6802
 - Trialeurodes vaporariorum*, on *Phaseolus* 3937
- in animal material, determination of 6561
- in *Chrysopa*, toxicity of 3915
 - in *Gladiolus*, effects of 4995
 - in *Hippodamia convergens*, toxicity of 3915
 - in *Nabis*, toxicity of 3915
 - in *Orius*, toxicity of 3915
 - in plant material, determination of 6561
 - in *Saissetia coffeae*, effects on parasites of 3729
 - in soil, determination of 6561
- with methomyl against
- Agrotis ipsilon*, on lettuce 4923
 - Feltia subterranea*, on lettuce 4923
 - Liriomyza trifolii* on celery 4923 on lettuce 4923
 - Spodoptera exigua*, on celery 4923
- 7-Oxa-5-thia-2-aza-6-phosphanonoic acid**, 6-ethoxy-2-methyl-3-oxo-, ethyl ester, 6-sulfide (see Mecarpham)
- 2-Oxa-4-thia-7-aza-3-phosphaoctan-8-oic acid**, 3,7-dimethyl-6-oxo-, methyl ester, 3-sulfide (see Mecarpham)
- 1,4-Oxathiin-3-carboxamide**, 5,6-dihydro-2-methyl-*N*-phenyl-, 4,4-dioxide (see Oxy-carboxin)
- Oxazolidine**, 3-acetyl-2-(2,6-dimethyl-5-heptenyl)-4,4-dimethyl-, repellent for, *Tribolium confusum* 3930
- Oxidase**
- in cabbage, effects of *Eurydema rugosum* on 1442
 - in *Heliopsis virescens*, organophosphate degradation by 1036
 - in *Musca domestica*, induced by pesticides 1655
 - in sheep, heptachlor metabolism by 4537
- mixed function
- in insects, role in resistance to JH mimics of 1654
 - in mouse, photodieldrin metabolism by 3298
 - in *Musca domestica* photodieldrin metabolism by 3298 role in dimethoate resistance of 3289
 - in *Ostrinia nubilalis*, carbaryl degradation by 3269
 - in rat effects of fenitrothion on 3911 photodieldrin metabolism by 3298 in rat liver, γ -BHC dehydrogenation by 5809
- Oxidase, amine (flavin-containing)**
- in *Ostrinia nubilalis* brain, oxidation of 3,3'-diaminobenzidine by 6469
 - in *Spodoptera littoralis*, aliphatic amines and alcohols as inhibitors of 3961
- Oxidase, cytochrome**
- in *Leptinotarsa decemlineata* flight muscles, effects of diapause on 1760
 - in mouse, phosphine inhibition of 6397
 - in *Musca domestica*, phosphine inhibition of 6397
 - in *Sitophilus granarius*, phosphine inhibition of 6397
- Oxidase, indoleacetate**, inhibitors of, in *Lygus disponis* saliva 576
- Oxidase, monoamine** (see Oxidase, amine (flavin-containing))
- Oxidase, phenol** (see Oxygenase, monophenol mono-)
- Oxidase, urate**
- in *Manduca sexta* 4054
 - in *Pieris brassicae* role in nitrogen metabolism of 1743 role in nitrogenous excretion of 4029
- Oxidation**, in insect flight muscles 587
- Oxidative phosphorylation**, in rat, effects of fenitrothion on 3911
- Oxidus gracilis** (see *Orthomorpha*)
- Oxirane**
- against, insect viruses in insectaries 2204
 - use of, precautions in 5176

Oxirane *contd.*

with carbon dioxide
against

Acanthoscelides obtectus 1046

Ephestia kuehniella 1046

Sitophilus granarius 1046

S. oryzae 1046

Tribolium confusum 1046

Trogoderma granarium 1046

in seeds, effects on germination of
1046

with dichlorodifluoromethane, against,
Lasioderma serricorne, in stored
tobacco 6308

Oxirane, (chloromethyl)-, stabiliser for
insecticides 2547

Oxirane, 3-[5-(4-chlorophenoxy)-3-methyl-3-pentenyl]-2,2-dimethyl-

against, *Eurygaster integriceps*, on wheat
4065

in *Eurygaster integriceps*
effects on fertility of 1135
effects on reproduction of 2498

Oxirane, 2-decyl-3-(5-methylhexyl)-cis- (see Disparlure)

trans(-), *Lymantria dispar* not
responding to 7682

trans(+), *Lymantria dispar* not
responding to 7682

Oxirane, 2,2-dimethyl-3-[3-methyl-5-(4-nitrophenoxy)-3-pentenyl]-, in *Eurygaster integriceps*, inhibiting embryonic development 3387

Oxirane, 2-[2-(3,3-dimethyloxiranyl)ethyl]-3-[(4-ethylphenoxy)methyl]-2-methyl-, degradation of 595

Oxirane, 3-[3,7-dimethyl-9-(2-propenyloxy)-3,7-nonadienyl]-2,2-dimethyl-, (*E,E*)-, synthesis of tritium labelled 5384

Oxirane, 2-ethyl-3-[3-ethyl-5-(4-ethylphenoxy)pentyl]-2-methyl-
against

Adoxophyes orana 6382

Ephestia kuehniella, in stored grain
7082

Plodia interpunctella, in stored grain
7082

Rhyzopertha dominica, in stored grain
7082

scale insects 6382

Tribolium castaneum, in stored grain
7082

in *Apis mellifera*, no effects from 6977

Oxirane, [(4-ethylphenoxy)methyl]-

in *Calliphora vicina*, inhibitor of epoxide
hydratase 6983

in *Tenebrio molitor*, inhibitor of epoxide
hydratase 6983

Oxirane, 3-[5-(4-ethylphenoxy)-3-methyl-3-pentenyl]-2,2-dimethyl-
against

Hylemya brassicae, on cauliflower
5296

Trialeurodes vaporariorum, on tomato
2658

in *Choristoneura fumiferana*, effects on
embryonic respiration of 3341

in *Hylobius abietis*, effects on pupae of
5885

in *Ips typographus*, effects on pupae of
5885

(*E*)-
against

Hylemya brassicae, on cauliflower
4066

Malacosoma disstria, on *Populus*
6960

Trialeurodes vaporariorum, on
tomato 5297

degradation of 595

in *Aonidiella aurantii*, effects on
development of 2894

in *Drosophila melanogaster*, effects on
embryogenesis of 540

in *Heliothis armigera*, effects on
reproduction of 7650

in *Lymantria dispar*, effects on parasites
of 5144

in *Melanoplus sanguinipes*, effects on
accessory glands of 6502, 7077

in *Neodiprion sertifer*, effects of 5882

in *Plodia interpunctella*, effects on food
consumption of 7649

in *Subcoccinella vigintiquatuorpunctata*, effects on diapause of 597–598
resistance to, in, *Spodoptera littoralis*
7651

Oxirane, [(4-nitrophenoxy)methyl]-

in *Calliphora vicina*, inhibitor of epoxide
hydratase 6983

in *Tenebrio molitor*, inhibitor of epoxide
hydratase 6983

Oxirane, (trichloromethyl)-

in *Calliphora vicina*, inhibitor of epoxide
hydratase 6983

in *Tenebrio molito*, inhibitor of epoxide
hydratase 6983

Oxya

Beauveria bassiana in, infectivity of 6694
control of, insecticides for 1356

on rice
damage caused by 1356

in Malaysia 1356

Oxya chinensis

control of, insecticides for 1951

in India 4848

in Malaysia 1951

on rice

in Karnataka 4848

in Malaysia 1951

Oxya intricata

- control of, insecticides for 1951
- hyperparasitised by, *Eupteromalus pamarae*, in Taiwan 2802
- in Malaysia 1951
- in Taiwan 2802
- on rice
 - in Malaysia 1951
 - in Taiwan 2802
- parasitised by
 - Centrodora speciosissima*, in Taiwan 2802
 - Eurytoma* spp., in Taiwan 2802
 - Scelio oxyae*, in Taiwan 2802

oxyacanthus, Acanthococcus oxyae, Scelio**Oxycanus fuscomaculatus**

- biology of 1366
- in Australia 1366
- in pastures, in Tasmania 1366
- on *Lolium perenne*, in Tasmania 1366
- on potato, in Tasmania 1366
- on *Trifolium repens*, in Tasmania 1366
- parasitised by, Tachinidae, in Tasmania 1366
- predators of, in Tasmania 1366
- traps for 1366

Oxycarboxin (5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide 4,4-dioxide)

- in entomopathogenic fungi, effects of 4533

Oxycarene hyalinipennis

- control of, insecticides for 900
- in Tanzania 900
- on kenaf, in Tanzania 900

Oxychlordane (see 2,5-Methano-2H

- indeno[1,2-b]oxirene, 1a,2,3,4,5,6a,7,7-octachloro-1a,1b,5,5a,6,6a-hexahydro-)

Oxydemeton-methyl (S[2-(ethylsulfinyl)ethyl] O,O-dimethyl phosphorothioate)

- against
 - Acyrtosiphon dirhodum*, on grain crops 1339
 - Aphis pomi*, on apple 1418
 - Bemisia tabaci*, on tomato 7478
 - Bryobia praetiosa*, on pear 7318
 - Cavariella aegopodii*, on carrot 876
 - Cerataphis variabilis*, on coconut 2844
 - Eurytoma amygdali*, on almond 4897
 - Fiorinia theae*, on *Camellia japonica* 6203
 - Hylobius pales* 1664
 - Lipaphis erysimi*, on mustard 4545
 - Lygus hesperus* 1452
 - Macrosiphum avenae*, on grain crops 1339
 - Mayetiola rigidae*, on *Salix* 3026
 - Myzus persicae*, on tobacco 398
 - Ophiomyia phaseoli*, on *Vicia faba* 1448

Oxydemeton-methyl contd.

- against contd.
 - Rhopalosiphum padi*, on grain crops 1339
 - Saccharosydne saccharivora*, on sugar-cane 1934
 - Saissetia coffeae*, on *Aphelandra squarrosa* 3729, 6802
 - Scolytus multistriatus*, on *Ulmus* 4392
 - Tetranychus urticae*, on bean 4228
- in *Achaea janata*, increasing excretion and water loss 3893
- in *Amblyseius fallacis*, toxicity of 4228
- in honey, residues of 524
- in honey bees, toxicity of 1698
- in nectar, residues of 524
- in *Saissetia coffeae*, effects on parasites of 3729
- resistance to, in, *Tetranychus urticae*, in Poland 3205
- with monocrotophos, against,
 - Saccharosydne saccharivora*, on sugar-cane 1934

Oxygen

- in *Apis mellifera*, effects of *Nosema apis* on consumption of 5075
- in *Atrachya menetriesii*, effects on egg diapause of 2394
- in *Bombyx mori*, effects of temperature on consumption of 4626
- in *Drosophila melanica*, consumption during pupal development of 4659
- in *Euproctis chrysorrhoea*, effects of temperature on consumption of 39
- in *Malacosoma neustria*, effects of temperature on consumption of 39
- in *Sitophilus granarius*, effects of CO₂ on consumption of 1665
- in *Spodoptera littoralis*, effects of insecticides on consumption of 5797
- in *Tribolium confusum*, effects of CO₂ on consumption of 1665

Oxygenase

- in *Periplaneta americana*, role in JH synthesis of 3394
- in *Schistocerca americana*, role in JH synthesis of 3394

Oxygenase, aryl 4-mono-

- in rat
 - carbaryl synergist as inhibitor of 7087
 - Sumioxon increasing activity of 3911

Oxygenase, mono-, in Saturniid larvae 5888**Oxygenase, monophenol mono-**

- in *Aphidletes aphidimyza* salivary glands 5261
- in *Coryca cephalonica* hemolymph 6473
- in *Leptinotarsa decemlineata*, effects of food-plant on activity of 5875
- in *Locusta migratoria* 4190
- in lucerne, role in resistance to *Therioaphis trifolii* of 1985

Oxygenase, monophenol mono- *contd.*

- in mouse, phosphorothioate inhibition of 5158
- in rat, phosphorothioate inhibition of 5158
- in sesame, effects of *Asphondylia sesami* on 2979
- in sugar-beet
 - effects of *Lygus disponsi* on 2954
 - Lygus disponsi* increasing activity of 5615

oxygramma, Trichoplusia**Oxyopes scalaris**

- in USA 5667
- preying on, *Ips pini*, in Arizona 5667

Oxyopidae, preying on, Nilaparvata lugens, in India 4864**Oxypilus hamatus, mating behaviour in 7113****Oxypleurites depressus**

- in USSR 6096
- on hazel, in USSR 6096

Oxyrhachis

- on *Acacia*, in India 2337
- on mango, in India 2337
- parasitised by

Brachygrammatella indica, in India 2337

Mirufens afrangiata, in India 2337

M. mangiferae, in India 2337

Oxyrhachis tarandus 2337

- in India 6205, 6436
- mutualism of *Acacia arabica*, *Camponotus ligniperda* and 6205
- on *Cassia fistula*, in Uttar Pradesh 6436
- parasitised by, *Brachygrammatella indica*, in Uttar Pradesh 6436

Oxytelus, in pine forests, in Ukraine 6220**Oxytelus rugosus**

- in Poland 1602
- insecticides in, toxicity of 1602

Oxytetracycline

- against, *Aphis fabae*, on *Vicia faba* 1028
- in *Dacus cucurbitae*, effects of 4088
- in *Vicia faba*, toxicity of 1028

Oxythioquinox (see Quinomethionate)**Oxyura jamaicensis, organochlorines in, residues of 7668****Oyster (see also Crassostrea)**

- DDT in, residues of 2299
- mirex in, residues of 2299

Oyster, eastern (see Crassostrea virginica)**Ozone**

- in *Oryzaephilus surinamensis*, toxicity of 3091
- in *Sitophilus oryzae*, toxicity of 3091

pabulinus, Lygocoris, (Lygus)**pabulorum, Muscina****Pachiopta aristolochiae, on Aristolochia bracteata 1332****Pachnaeus litus**

- in USA 654

Pachnaeus litus contd.

- on *Citrus*, in Florida 654

Pachnaeus opalus

- in USA 654
- on *Citrus*, in Florida 654

Pachnoda ehippiata, cuticular sclerotisation in 1117**Pachydiplosis oryzae (see also Orseolia oryzae)**

- control of, insecticides for 536, 713-714, 719, 828
- in India 290, 828
- in Indonesia 713-714, 719
- in Sri Lanka 536
- on *Ischaemum aristatum*, in Kerala 290
- on rice
 - in Indonesia 713-714
 - in Java 719
 - in Sri Lanka 536
 - in Tamil Nadu 828
 - resistance to 723
- parasites of, effects of insecticides on 536
- parasitised by, *Platyaster oryzae*, in Sri Lanka 536
- rearing of, techniques for 721
- taxonomy of, transferred to *Orseolia* 3596

Pachylia ficus

- in Brazil 4807
- on *Ficus nitida*, in Brazil 4807
- parasitised by, *Belvosia bicincta*, in Brazil 4807

Pachylobius picivorus

- aestivation in 1508
- control of, insecticides for 7425
- development in 5659
- in USA 1508, 3034, 5659, 7425
- on *Pinus palustris*, in South Carolina 3034
- on *Pinus strobus*
 - in Georgia (USA) 5659
 - in North Carolina 5659
- on *Pinus taeda*
 - in North Carolina 7425
 - in South Carolina 3034
- oxygen consumption in 1508
- traps for 3034

Pachynematus alaskensis

- in USA 507
- on *Picea* 910
- on *Picea glauca*
 - assessing infestations of 507
 - in Minnesota 507
- population density of 507
- Thelohania pristiphora* in, infectivity of 910

Pachynematus imperfectus

- in Switzerland 2161
- on *Larix decidua*
 - effects of damage by *Zeiraphera diniana* on 2161
 - in Switzerland 2161

- Pachynematus imperfectus* contd.**
parasites of, in Switzerland 2161
- Pachynematus laricivorus***
taxonomy of
 Pristiphora takagii proposed as new
 name for 1718
 synonym of *Pristiphora glauca* 4605
 transferred to *Pristiphora* 1718
- Pachynematus leucopodia*** (see *Pristiphora*)
- Pachynematus montanus***
in Czechoslovakia 1528
on *Picea*, in Czechoslovakia 1528
- Pachynematus nigricarpus***, taxonomy of,
transferred to *Pristiphora* 4605
- Pachynematus pallescens***
in Czechoslovakia 1528
on *Picea*, in Czechoslovakia 1528
- Pachynematus scutellatus***
in Czechoslovakia 1528
on *Picea*, in Czechoslovakia 1528
- Pachynematus setator***
biology of 299
in USA 299
on *Festuca*
 damage caused by 299
 in Oregon 299
parasitised by, Hymenoptera, in Oregon
299
- Pachyneuron aphidis***
in Australia 5927
in New Zealand 1895
parasitising, *Diaeretiella rapae* 5927
taxonomy of, misidentified as *P.*
 siphonophorae, in New Zealand 1895
- Pachyneuron siculum***
in Turkey 1427
parasitising, *Coccus pseudomagnoliarum*,
in Turkey 1427
- Pachyneuron siphonophorae***, taxonomy of,
Pachyneuron aphidis misidentified as, in
New Zealand 1895
- Pachyneuron umbratum***
in Poland 1352
parasitising
 Episyrphus balteatus, in Poland 1352
 Sphaerophoria scripta, in Poland 1352
- Pachypappa***, taxonomy of, *Asiphum* as
synonym of 4597
- Pachypappa tremulae***
descriptions of 4597
in UK 4597
on *Picea abies*, in UK 4597
on *Populus tremula*, in England 4597
taxonomy of, transferred from *Aphis*
4597
- Pachypeltis politum***
in India 7383
on eggplant, in Karnataka 7383
on *Piper betle*, in Karnataka 7383
- Pachyrhinadoretus frontatus*** (see *P.*
rugipennis frontatus)
- Pachyrhinadoretus rugipennis frontatus***
control of, insecticides for 4888
in India 4888
on grapevine, in Punjab 4888
- Pachyscelis zhenzhuristi***
in Afghanistan 5714
in raisins, imported into Czechoslovakia
5714
- pacifica, Chrysura***
- pacifica, Dolichovespula***
- pacifica, Euphausia***
- pacifica, Megachile***
- pacificus, Hemerobius***
- pacificus, Tetranychus***
- Packaging materials**
insect penetration of 6291
insect resistance in 454, 3261
pest control in, insecticides for 6248
- Pacol** (see Parathion, with oil emulsion)
- pactolana, Cydia, (Laspeyresia)***
- Padan** (see Cartap)
- padellus, Yponomeuta***
(*Yponomeuta*)
- padi, Rhopalosiphum***
- Paecilomyces***
in
insects, pathogenicity of 5092
Thyridopteryx ephemeraeformis
in Georgia (USA) 2735
pathogenicity of 963
- Paecilomyces canadensis***
in
 Lymantria dispar
 in Iwate Prefecture 2237
 pathogenicity of 2237
- Paecilomyces farinosus***
fungicides in, effects of 4533
in
 Atrachya menetriesii, in Japan 839
 Cydia pomonella
 in Austria 3252
 in USSR 7483
insects 4470
 Leptinotarsa decemlineata
 biological control with, in Poland
 2960
 pathogenicity of 3153
 Okanagana rimosa, in Ontario 5985
 Orgyia antiqua, in West Germany 912
- Paecilomyces fumosoroseus***
fungicides in, effects of 4533
in
 Acanthoscelides obtectus, pathogenicity
 of 2225
 Hoplocampa testudinea, in Byelorussia
 6010
 Leptinotarsa decemlineata,
 pathogenicity of 3153
 Oryctes rhinoceros, not pathogenic
 2218
- Paederus alfieri***
in Egypt 4168, 4212, 5506

***Paederus alfieri* contd.**

population dynamics of 5506

preying on

Aphis gossypii, in Egypt 5506*Bolacidothrips graminis*, in Egypt 5506*Rhopalosiphum maidis*, in Egypt 5506*Spodoptera littoralis*, in Egypt 5506

season abundance of 4212

traps for 4168, 4212

Paoliella eastopi*, in Kenya 3802**paoniae*, *Pseudaonidia******pagana*, *Arge******Pagiocerus frontalis*, in Peru 692*****Pagria*, on *Phaseolus aureus*, in Malaysia 861*****painei*, *Trissolcus******Pak-choi* (*Brassica chinensis*) (see Cabbage, Chinese)*****Pakencyrtus pakistanensis***

biology of 1386

in Pakistan 1386

parasitising, *Aspidiotus destructor*, in Pakistan 1386**Pakistan***Aonidiella orientalis* in, natural enemies of 1280

aphids in 2355

Aspidiotus destructor in

natural enemies of 1386

on coconut 1386

on mango 1386

Bagrada hilaris inon *Capparis spinosa* 2048

on mustard 2048

biological control in 2750

Brevicoryne brassicae in, natural enemies of 856*Cassida indicola* in, natural enemies of 2346

Coccoidea in

food-plants of 1272

natural enemies of 1272

Coleophora parthenica in 2758*Coptosoma cribrarium* in, on *Dolichos lablab* 7035*Dacus* spp. in, natural enemies of 5998*D. ciliatus* in 2922*D. cucurbitae* in 2922*D. zonatus* in, on guava 3227*Eucosma hapalosarca* in, on *Populus* 3758*Eulecanium* spp. in

natural enemies of 3541

on *Quercus* 3541*Eurema hecabe* in, on fenugreek 1334*Hydrellia* spp. in, on *Hydrilla verticillata* 3563*Hydrilla verticillata* in, insects associated with 2749*Kermes* spp. in

natural enemies of 2328

Pakistan contd.*Kermes* spp. in contd.on *Quercus* 2328

Lepidoptera in, on sugar-cane 816

Nausinoe spp. in, natural enemies of 1893*Ophiomyia phaseoli* in, on soy bean 2055*Parlatoria blanchardii* in, natural enemies of 1280

Pentatomidae in

natural enemies of 1338

on Poaceae 1338

pest control in 773

Plutella xylostella in

on cauliflower 2038

on radish 2038

Poekilocerus pictus in 5399*Pygaera anastomosis* in, on *Populus* 3758*Rastrococcus spinosus* in, on mango 1035

rice stalk-borers in, natural enemies of 3595

Spodoptera littoralis in

on cotton 5399

on tomato 5399

stem borers in, on rice 7267

Terellia serratulae in

natural enemies of 1323

on *Carduus edelbergii* 1323

termites in 3561

Trachylepidia fructicassella in, natural enemies of 1893*Zyginidia quyumi* in

on maize 2776

on wheat 2776

pakistanensis*, *Pakencyrtus***pakistanensis*, *Paksimmondsius******Paksimmondsius pakistanensis***

gen. et sp. n., description of 2328

in Pakistan 2328

parasitising, *Kermes* spp., in Pakistan 2328**Palaearectic region***Barylypa* spp. in 5229*Bathyplectes* spp. in 5235*Biolysia* spp. in 5235*Eriopeltis* spp. in 6994*Ernobius* spp. in 5223

Ichneumonidae in 7030

Metzneria spp. in 2327*Scymnus* spp. in 1083

Tipulidae in 7279

Palarus latifrons

in South Africa 5954

pest of honeybee, in South Africa 5954

Paleacrita vernata*, control of, *Bacillus thuringiensis* for 6819**paleolivacea*, *Humiphila******pales*, *Hylobius******Pales maculata*, in Yugoslavia 4713**

Pales pavid

- fecundity in 5331
- in France 548
- oviposition in 5331
- parasitising

- Agrotis exclamationis*, in France 548
- Mythimna unipuncta*, in France 548
- Peridroma saucia*, in France 548

Palesisa nudioculata

- descriptions of 782
- in Yugoslavia 782
- parasitising, *Euproctis chrysorrhoea*, in Yugoslavia 782
- taxonomy of, characters distinguishing *Townsendiellomyia nidicola* and 782

Palexorista inconspicua

- in West Germany 930
- parasitising, *Microdiprion pallipes*, in West Germany 930

Palexorista lucagus

- descriptions of 1302
- in Malaysia 1302
- parasitising, *Spodoptera mauritia*, in Sarawak 1302

Palimna palimnoides

- in Taiwan 4305
- on *Castanea*, in Taiwan 4305

palimnoides, Palimna**pallens, Geocoris****pallescent, Blaptostethus piceus****pallenscent, Pachynematus****palliatius, Tanyemecus****pallicornis, Synergus****pallida, Gilpinia**

(*Diprion*)

pallida, Trichogramma cacoeciae (see *T. pallidum*)**pallidicornis, Lestodiplosis****pallidilabra, Epicauta** (see *E. punctipennis*)**pallidipennis, Trimerotropis****pallidula, Gratiana lutescens****pallidula, Pristiphora** (see *P. bufo*)**pallidum, Trichogramma****pallidus, Archiboreoiulus****pallidus, Carpocoris pudicus****pallidus, Hyperomyzus****pallidus, Tarsonemus, (Steneotarsonemus)****pallidus, Trioxy****palliolana, Paralobesia****pallipes, Calameuta****pallipes, Leiophron****pallipes, Macrocentrus****pallipes, Microdiprion, (Diprion)****pallipes, Peristenus****Palm, date** (see Date palm)**Palm, oil** (see Oil palm)**Palm (stored kernels), pest control in 6226****Palm trees**

- Heliethrips haemorrhoidalis* on, in Bulgaria 3027

- Microcerotermes diversus* on, in Iran 7287

Palm trees contd.

- Mycetaspis personata* on, in Egypt 1381

palmae, Abgrallaspis**palmarum, Rhynchophorus****palmarum, Tyrophagus****Palmitic acid** (see Hexadecanoic acid)**Palmitoleic acid** (see 9-Hexadecenoic acid, (Z)-)**Palomena, parasites of, in USSR 4811****Palomena angulosa, digestive enzymes in 2396****Palomena prasina**

- control of, insecticides for 6714
- in Turkey 6714

- on hazel, in Turkey 6714

Palorus, in Ephesia kuehniella nests 4712**Palorus ratzeburgi, in milk powder, development of 7459****Palorus subdepressus, in milk powder, development of 7459****palpilineella, Stomopteryx****Palpita hyalinata**

- control of, *Bacillus thuringiensis* for 3853
- on courgette, in Antilles 3853
- on cucumber, in Antilles 3853
- on melon, in Antilles 3853

Palpita indica

- in India 4334
- on cucumber, development of 5903
- on cucurbits, in Uttar Pradesh 4334
- on *Zinnia*, development of 5903
- parasitised by, *Tetrastichus israeli* 6640

Palpita nitidalis

- control of, insecticides for 357
- in Peru 357
- on cucumber, in Peru 357

Palpita unionalis

- biology of 3642, 5588
- in Egypt 3642, 5588
- on olive, in Egypt 3642, 5588
- parasitised by, *Apanteles syleptae*, in Egypt 5588

Paluda vitripennis lalahani

- subsp. n., description of 546
- in Turkey 546

paludosa, Tipula**Palus, keys to 1101****Palus beirnei**

- sp. n., description of 1101
- in Canada 1101
- in USA 1101
- on grasses, in North America 1101

palustris, Isotomurus**palustris, Lepyrus****Pammene fasciana**

- biology of 7299
- in Switzerland 7299
- on *Castanea sativa*, in Switzerland 7299

Pammene rhediella

- in UK 7591
- traps for 7591

- Pamphagidae**, epipharyngeal wall in 3378
pamuae, *Coptotermes*
- Panagrolaimidae**, in, insects 957
Panagrolaimus artuykhovskii
 sp. nov., description of 5997
 biology of 5997
 in, *Zeuzera pyrina*, in Crimea 5997
- Panama**
Anastrepha bahiensis in 2667
Antichloris viridis in, on banana 2350
Hermetia illucens in, on banana 2032
 Vespidae in 4204
- Panama Canal Zone**
Antichloris viridis in, on banana 2350
Duplaspidiotus claviger in 6804
- Panaphis juglandis**
 alate production in 2513
 biology of 1413
 control of, insecticides for 1413
 in USA 1413
 on walnut 2513
 in California 1413
 parasitised by, *Trioxys pallidus* 1413
 reproduction in, effects of environment on 2513
- Pandalus jordani*, DDE in, residues of 6409
- Pandanus*, Coccidae on, in West Bengal 1909
- Pandanus odoratissimus*, *Tuckerella knorri* on, in Thailand 1097
- Pandemis**
 on apple
 in Netherlands 327
 in Switzerland 3626
 on fruit trees, in Europe 7552
 parasitised by
Apanteles ater, in Netherlands 327
A. xanthostigmus, in Netherlands 327
 population dynamics of 3626
- Pandemis cerasana*
 in East Germany 1419
 in Hungary 4211
 in Poland 406, 4306
 on apple
 in East Germany 1419
 in Hungary 4211
 in Poland 4306
 on pear, in Poland 4306
 on rose, in Poland 406
 parasites of, in Hungary 4211
- Pandemis heparana*
 in East Germany 1419
 in Hungary 2012, 4211
 in Poland 4306
 on apple
 in East Germany 1419
 in Hungary 4211
 in Poland 4306
 on medlar, in Hungary 2012
 on pear, in Poland 4306
 parasites of, in Hungary 4211
- Pandemis limitata*
 control of, traps for 2884
 in USA 2884, 6730
 on apple
 in New York 2884
 in USA 6730
- Pandemis ribeana* (see *P. cerasana*)
- pandora*, *Coloradia*
pandurus, *Spilostethus* (*Lygaeus*)
- Pangaeus bilineatus*
 biology of 4344
 control of 4344
 in USA 4344
 on groundnut, in Texas 4344
- paniceum*, *Stegobium*
- Panicum*, *Macrosiphum* spp. on, in São Tomé 4208
- Panicum antidotale*
Balclutha spp. on, in Rajasthan 6595
Cuerna arida on, development of 838
C. balli on, development of 838
Paracopium spp. on, in Rajasthan 6595
- Panicum crus-galli* (see *Echinochloa*)
- Panicum fasciculatum*, *Saccharosydne saccharivora* on, development of 258
- Panicum maximum*
Aeneolamia contigua on
 damage caused by 1363
 in Mexico 1363
Blissus leucopterus on, in Puerto Rico 1975
Mocis disseverans on, development of 4283
M. latipes on, development of 4283
M. marcida on, development of 4283
Schizaphis spp. on, in Queensland 298
- Panicum miliaceum*, wheat streak mosaic virus in, mite transmission of 3804
- Panicum purpurascens*
Aeneolamia contigua on
 damage caused by 1363
 in Mexico 1363
- pannonia*, *Tipula*
- Panolis flammea*
 control of, insecticides for 5014
 in West Germany 5014
- Panonychus*
 control of, acaricides for 3957
 in Thailand 3174
- Panonychus citri*
Alternaria spp. in, in Yugoslavia 4326
 biology of 1428, 2028
 control of 337
 acaricides for 2028, 3273, 3940, 5576, 5945
 integrated 339, 3850
 descriptions of 2028
 development in, effects of host-plant age and condition on 850
 dicofol resistance in, and cross-resistance 3273

***Panonychus citri* contd.**

fecundity in, effects of host-plant age and condition on 850

in Brazil 1428

in Italy 2028

in Japan 336, 339, 3850, 3940

in South Africa 4327, 5945

in Taiwan 1403

in USA 337, 955, 1907, 2897, 3940

in Yugoslavia 4326

natural enemies of 1428

nonoccluded virus in
and biological control using, in
California 955

infectivity of 955

transmission of 4466

on *Citrus*

damage caused by 1428

development of 850

distribution pattern of 336

in Brazil 1428

in California 337, 955

in Japan 336, 3940

in South Africa 5945

in USA 3940

in Yugoslavia 4326

on *Citrus natsudaoidai*

in Japan 3850

in Yamaguchi Prefecture 339

on clementine, in Italy 2028

on grapevine, in Taiwan 1403

on lemon, in Italy 2028

on mandarin, in Italy 2028

on orange

effects of insecticides on 2897

in California 1907

in Florida 2897

in Italy 2028

in South Africa 4327

predators of

effects of insecticides on 4327

in South Africa 4327

in Yamaguchi Prefecture 339

in Yugoslavia 4326

preyed on by, *Anystis agilis*, in California 1907

Panonychus globosus

sp. n., description of 1403

in Taiwan 1403

on grapevine, in Taiwan 1403

Panonychus ulmi

acaricide resistance in

in Netherlands 505

testing for 1203

binapacryl resistance in, in England 2289

biology of 320, 3619

control of 5550

acaricides for 320, 329, 497, 797, 847,

1417, 2289, 2882, 3165, 3183,

3276-3277, 4017, 4185, 5569, 6101,

6375, 7292, 7516

biological 6730

***Panonychus ulmi* contd.**

control of *contd.*

economic threshold for 2270

fungicides active in 1609

integrated 1421, 4313, 4910, 7309,
7537, 7544, 7617

dicolfol susceptibility in, effects of deposit
uniformity and amount on 3276

dinocap resistance in, in England 2289

egg-hatch in 5547

eggs of, effects of temperature on 107

food-plants of 6102

in Australia 2869, 5561

in Bulgaria 320, 497, 1417, 5550, 7292

in Canada 1232, 2870, 2882, 3276, 4313,
6095, 6101, 7309

in Chile 687, 7544

in East Germany 2013

in Egypt 3619

in Finland 3051

in France 7546, 7548-7549, 7551

in Hungary 107

in Iran 6547

in Italy 1292, 2253, 4185, 6375, 6738

in Netherlands 505, 3478, 4512, 7617

in New Zealand 1421, 2270, 3183

in Poland 4130

in Romania 847

in South Africa 5949

in Spain 7537

in UK 797, 2289, 3165, 5569, 7516

in USA 329, 3629, 4017, 4910, 6728,

6730, 7541

in USSR 6102

in West Germany 1609

in Yugoslavia 5547

on *Ahnus incana*, in Finland 3051

on apple

assessing infestations of 3629

distribution pattern of 1232

effects of fungicides on 2013

effects of pesticides on 7562

in British Columbia 6101, 7309

in Bulgaria 1417, 5550

in East Germany 2013

in England 797, 2289, 5569, 7516

in France 7551

in Illinois 4017

in Indiana 3629

in Iran 6547

in Italy 4185, 6375

in Netherlands 4512, 7617

in New South Wales 5561

in New York 6728

in New Zealand 1421, 2270

in North Carolina 7541

in Nova Scotia 1232, 2870

in Pennsylvania 329

in Quebec 2882, 4313

in Romania 847

in South Africa 5949

in UK 3165

***Panonychus ulmi* contd.**

- on apple *contd.*
 - in USA 6730
 - in West Germany 1609
 - in Yugoslavia 5547
- on grapevine
 - in British Columbia 6095
 - in Bulgaria 7292
 - in Italy 2253
 - in Yugoslavia 5547
- on peach
 - in Egypt 3619
 - in France 7548
 - in Italy 1292, 6738
 - in Ontario 3276
- on pear
 - in Egypt 3619
 - in France 7546
 - in New Zealand 3183
- on plum
 - in France 7549
 - in Washington 4910
- on *Rosa odorata*, rearing of 4726
- overwintering in 3629
- oviposition in 5547
- population dynamics of 3478
 - effects of temperature on 107
- predators of, effects of insecticides on 1292
- preyed on by
 - Agistemus africanus*, in South Africa 5949
 - Amblyseius aberrans*, in Italy 2253
 - A. fallacis*
 - and biological control using 7541
 - in Illinois 4017
 - in North Carolina 7541
 - in USA 6730
 - A. finlandicus*, in Netherlands 4512
 - A. potentillae*, in Netherlands 3478, 4512
 - A. rubicolus*, in South Africa 5949
 - Blepharidopterus angulatus*, in England 797
 - Metaseiulus occidentalis*
 - in USA 6730
 - in Washington 4910
 - Stethorus* spp.
 - in New South Wales 5561
 - in Tasmania 2869
 - S. aethiops*, in South Africa 5949
 - S. punctillum*, in Italy 1292, 6738
 - S. punctum*, and biological control using, in Pennsylvania 329
 - Tydeus grabowii*, in South Africa 5949
 - Typhlodromus italicus*, in Italy 1292, 6738
 - T. pyri*, in England 797
 - Zetzellia mali*
 - in New York 6728
 - in Washington 4910

***Panonychus ulmi* contd.**

- seasonal abundance of 4130
- sex ratio in 2870
- panshini*, *Steneotarsonemus*
- Pantakan** (see DDT)
- Pantilius tunicatus***
 - biology of 2007
 - control of, insecticides for 2007
 - in Italy 2007
 - on hazel
 - damage caused by 2007
 - in Italy 2007
- Pantomorus cervinus***
 - in USA 654
 - on *Citrus*, in Florida 654
- Pantomorus glaucus***
 - food-plants of 4760
 - in Brazil 4760
- Pantorhytes biplagiatus***
 - in Solomon Islands 904
 - life history of 904
 - on cacao, in Solomon Islands 904
- Pantorhytes szentivanyi***
 - adults of, distinguishing sexes of 3016
 - in Papua New Guinea 1490, 3013, 4986
 - mating in 3016
 - on cacao, in Papua New Guinea 1490, 3013, 4986
 - preyed on by, *Anoplolepis longipes*, in Papua New Guinea 1490, 3013
- Pantothenic acid**
 - diet component for, *Sitophilus oryzae* 1757
 - in *Oryzaephilus mercator* diet, requirement for 2418
 - calcium salt, in *Heliothis virescens* diet, requirement for 665
- panzeri*, *Ctenichneumon***
- Paoliella commiphorae***
 - in Kenya 3802
 - on *Commiphora zimmermannii*, in Kenya 3802
 - passion fruit woodiness virus in, transmission of 3802
- Paoliella eastopi***
 - in Kenya 3802
 - on *Commiphora zimmermannii*, in Kenya 3802
 - passion fruit woodiness virus in, transmission of 3802
- Papaver somniferum***, turnip mosaic virus in, in Hungary 1929
- Papaw** (see *Carica papaya*)
- Papaw mosaic virus**
 - in
 - Aphis gossypii*, transmission of 2036
 - Carica papaya* 2036
 - aphid transmission of 5589
 - cucumber, aphid transmission of 5589
 - Myzus persicae*, transmission of 5589
- Papaya** (see *Carica papaya*)

- Paper**
Acrotelsa collaris on, development of 1568
 in insect-resistant cans 4431
 in insect-resistant packaging materials 454
 in packaging materials, insect susceptibility of 3261
- Paperboard**, in packaging materials, insect susceptibility of 3261
- paphus**, *Manduca sexta*
- Papilio demoleus**
 amino acids in 5890
Bacillus thuringiensis in, effects of 1591
 control of, evaluation of antifeedants for 1075
 olfactory sensilla in 1766
 respiratory system in 5849
- Papilio machaon**
 in Sweden 1183
 oviposition in, effects of food-plant on 1183
 thermoregulation in, role of wings in 4042
- Papilio polyxenes**, on Umbelliferae, utilisation of 2427
- Papilio protenor demetrius**
 hempa in, toxicity of 1794
 metepa in, effects of 1794
- Papilio troilus**, thermoregulation in, role of wings in 4042
- Papilio xuthus**
 body distension in 588
 cell lines of, isolation of clones from 5922
 dispersal of 636
 hempa in, toxicity of 1794
 in Japan 636
 metepa in, effects of 1794
- papillosa**, *Tessarotoma*
- Paprides nitidus**
 in New Zealand 741, 2831
 in alpine tussock grassland damage caused by 741
 in New Zealand 741
 in grassland, in New Zealand 2831
 population dynamics of 2831
- Paprika** (see *Capsicum*)
- Paprika (spice)** (see *Capsicum* (spice))
- Paphion** (see *Phenthoate*)
- Papua New Guinea**
 ants in 1270
 on cacao 1490
Axiagastus cambelli in
 natural enemies of 1388
 on coconut 1388
 Buprestidae in, on *Araucaria* 3057
 cacao in, pests of 3013
Coptotermes pamuae in, on fire-damaged trees 6207
Diapus pusillimus in, on fire-damaged trees 6207
- Papua New Guinea contd.**
Hylurdrectonus araucariae in
 on *Araucaria* 428
 on *Araucaria cunninghamii* 3063, 3072
 Lepidoptera in, natural enemies of 5450
Mertilanidea fasciata in, on *Vanilla* 6031
Oryctes rhinoceros in 2847
Ostrinia furnacalis in, on maize 5500
 Othniidae in, on *Araucaria* 3057
Pantorhytes szentivanyi in, on cacao 1490, 4986
 Platypodidae in, on *Araucaria* 642
Pseudopalaucoris novaguineae in, on
 Araucaria hunsteinii 6031
 rice in, pests of 4852
Salina celebensis in, on cacao 903
 Scolytidae in, on *Araucaria* 643
Sexava femorata in, on coconut 4108
 sweet potato in, pests of 5630
Syllitus spp. in, on *Araucaria* 641
Tiracola plagiata in 4989
Vanapa oberthueri in, on *Araucaria cunninghamii* 3063
Xyleborus perforans in, on fire-damaged trees 6207
Xylotrips religiosus in, on fire-damaged trees 6207
Xylotrupes gideon in, on coconut 4300
 yam in, pests of 5630
- Papua inermis**
 control of 3976
 insecticides for 1472
 in Solomon Islands 1472, 3976
 on *Colocasia*, in Solomon Islands 3976
 on *Colocasia esculenta*, in Solomon Islands 1472
- Parabonzia**
 gen. n., description of 552
 illustrations of 552
- Paracentrobia andoi**
 in Taiwan 2801, 4862
 parasitising
 Nephotettix cincticeps, in Taiwan 2801, 4862
 Nilaparvata lugens, in Taiwan 2801
- Paracentrobia cassidavora**
 sp. nov., description of 2346
 in Pakistan 2346
 parasitising, *Cassida indicola*, in Pakistan 2346
- Paracentrobia garuda**
 sp. nov., description of 2346
 in Thailand 2346
- Paracentrobia yasumatsui**
 sp. nov., description of 2346
 in Thailand 2346
- Paracheyletia wellsi**
 in Egypt 3662, 3693
 preying on
 Tetranychidae, in Egypt 3693

***Paracheyletia wellsi* contd.**

preying on contd.

Tetranychus cucurbitacearum, in Egypt
3662***Paracinema tricolor****Malameba locustae* in
effects of 5086
morphology of 5086***Paracoccus***in South Africa 3989
in South-West Africa 3989***Paracoccus burnerae***in South Africa 3989
on passion fruit, in South Africa 3989
taxonomy of, *Paracoccus larinus*
misidentified as, in South Africa
3989***Paracoccus larinus***sp. n., description of 3989
in South Africa 3989
on *Sida rhombifolia*, in South Africa
3989
taxonomy of, misidentified as *P. burnerae*,
in South Africa 3989***Paracoccus latebrosus***sp. n., description of 3989
in South Africa 3989
on *Acacia*, in South Africa 3989***Paracoccus perperus***sp. n., description of 3989
in South Africa 3989
on *Anthospermum aethiopicum*, in South
Africa 3989***paraconfusus, Ips******Paracopium***, on *Panicum antidotale*, in
Rajasthan 6595***Paracopium cingalense***in India 6595
on *Panicum antidotale*, in Rajasthan
6595***paradoxicus, Neodiprion pratti******paradoxus, Paropta*****Paraffin oils**for clearing *Eurygaster integriceps* eggs
for parasite detection 4812
with γ -BHC
against*Scolytus multistriatus*, in *Ulmus*
timber 5666*S. scolytus*, in *Ulmus* timber 5666
with transformer oil, against, *Panonychus*
ulmi 3277**Paraffin waxes and hydrocarbon waxes, in***Galleria mellonella*, encapsulation of
5447**Paraguay***Chabuata major* in 1798
Dactylopius ceylonicus in 555
Tenuipalpidae in 6550
Tetranychidae in 6451***Paragus aegyptius***

biology of 4774

***Paragus aegyptius* contd.**descriptions of 4774
in Egypt 4774
preying on
aphids, in Egypt 4774
Brevicoryne brassicae 4774***Paragus longiventris***in Kenya 1897
preying on, aphids, in Kenya 1897***Paragus marshalli***in Kenya 1897
preying on, aphids, in Kenya 1897***Paragus serratus***in India 6009
parasitising by, *Syrphophagus* spp., in
Gujarat 6009***Paraholaspis cothurnata***in Pakistan 1323
parasitising, *Terellia serratulae*, in
Pakistan 1323***Parahypochaeta*, keys to 4210*****paraki, Amblyseius******Paraleucoptera sinuella***biology of 6828
control of 6828
in China 6828
on *Populus*, in Hopei Province 6828***Paraleyrodes bondari***sp. n., description of 2025
in Brazil 2025
on *Citrus*, in Brazil 2025***Paralipsa gularis***biology of 2174
in East Germany 2174
in stored cacao, in East Germany 2174
traps for 2174***parallelepipedus, Abax******Parallelia maturata* (see *Ophiusa*)*****Parallelodiplosis***on cacao
as pollinator 1489
in Ghana 1489***Parallelodiplosis triangularis* 1489*****parallelus, Chorthippus******Paralothrips*, in Crimea 1*****Paralobesia palliolana***biology of 3745
in USA 3745
on *Larix kaempferi*, in Michigan 3745
on *Larix laricina*, in Michigan 3745***Paralobesia viteana***control of, *Bacillus thuringiensis* for 316
in USA 316
on grapevine 3745
in Missouri 316

sex pheromone of 1633

Paralysis, in *Apis mellifera*, caused by non-occluded virus 6900**Paramex (see Mirex)*****paramushirensis, Hemichroa******Paramyelois transitella* (see *Amyelois*)**

- Parandra brunnea brunnea***
in USA 5065
in *Quercus* timber, in USA 5065
- Paranthrene tabaniformis***
control of, insecticides for 6219
in Spain 6219
on *Populus*, in Spain 6219
- Paraoxon*** (diethyl 4-nitrophenyl phosphate)
in citrus groves, residues of 4565
in *Galleria mellonella*, effects of 2395
in mammals, metabolism of 3330
in *Myzus persicae*, metabolism of 5790
in *Passer domesticus*, effects on esterase aging of 1056
in peach, residues of 5786
in rat, effects on esterase aging of 1056
in *Schistocerca americana*
inhibition of JH hydrolysis by 3523
metabolism of 1865
in spinach, parathion metabolite 1052
- Paraphaenodiscus*** 2328
taxonomy of, characters distinguishing
Microterys haroldi and 4600
- Paraphlepsius***, taxonomy of 3979
- Paraphlepsius irroratus***
in USA 331
on peach, in Michigan 331
on *Prunus cerasus*, in Michigan 331
peach X-disease, causal agent in,
transmission of 331
- Parapleurus alliaceus***
in Japan 3600
in grassland, in Japan 3600
population density of 3600
- Parapoderus fuscicornis***
in Ghana 1090
on *Terminalia ivorensis*, in Ghana 1090
- Parapoinx allionealis***
in Canada 2747
in USA 2747, 3563
on *Myriophyllum spicatum*, in Florida
2747, 3563
- Parapoinx stratiotata***
in Yugoslavia 2747, 3563
on *Myriophyllum spicatum*
and biological control using 3563
in Yugoslavia 2747
- Paraprociophilus tessellatus***, waxes produced
by 5145
- Paraquat*** (1,1'-dimethyl-4,4'-bipyridinium)
against, *Inopus rubriceps* 3194
- Parasa bicolor*** (see *Latoia*)
- Parasaissetia litorea***
in South Africa 3991
parasitised by, *Microterys anneckeii*, in
South Africa 3991
- Parasaissetia nigra***
in India 1274
preyed on by, *Chilocorus nigratus*, in
Maharashtra 1274
- Paraschizognathus olivaceus***, group of 18
- Parasetigena agilis***
in USA 4214
in Yugoslavia 5361
parasitising
Lymantria dispar
in Europe 3168
in Massachusetts 4214
in Yugoslavia 5361
population dynamics of 5361
- Parasitaphelenchus***, in, *Ips calligraphus*, in
Texas 6833
- Parasites**
interactions with hosts 5363
monitoring effects of 5452
- Parasitigena agilis***
in USA 3750
parasitising, *Lymantria dispar*, in
Connecticut 3750
- Parasitus favius***
sp. nov., description of 5992
associated with, *Bombus* spp., in Alberta
5992-5993
biology of 5993
in Canada 5992-5993
- Parasitus fimetorum***
associated with, *Bombus* spp., in Alberta
5992-5993
biology of 5993
descriptions of 5992
in Canada 5992-5993
- Parasitus hobbsi***
sp. nov., description of 5992
associated with, *Bombus* spp., in Alberta
5992-5993
biology of 5993
in Canada 5992-5993
- Parasitus inquilinobombus***
sp. nov., description of 5992
associated with, *Bombus* spp., in Alberta
5992-5993
biology of 5993
in Canada 5992-5993
- Parasitus perthecatus***
sp. nov., description of 5992
associated with, *Bombus* spp., in Alberta
5992-5993
biology of 5993
in Canada 5992-5993
- Parasitylenchus avulsi***, in, *Ips avulsus*, in
Texas 6833
- Parastizopus***
cocoons of 4049
in South Africa 4049
silk glands of 4049
- Parasyndemis cedricola***
sp. n., description of 1100
in Lebanon 1100
on *Cedrus*, in Lebanon 1100
- Paratetranychus pilosus*** (see *Panonychus ulmi*)
- Parathecabius***, in UK 4417

Paratheresia, parasitising, *Diatraea saccharalis*, in Colombia 3540

Paratheresia claripalpis
in Trinidad and Tobago 253
parasitising

Diatraea centrella, in Trinidad 253

D. impersonatella
and biological control using, in
Guadeloupe 6668
in Trinidad 253

D. saccharalis
and biological control using, in
Guadeloupe 6668
in Trinidad 253

Parathion (*O,O*-diethyl *O*-(4-nitrophenyl)
phosphorothioate)
against

Acanthoscelides obtectus, in stored
seeds 453

Achaea janata, on *Ricinus communis*
885

Adrastus spp., on maize 4262

Aedes aegypti 5192

Aeneolamia varia, on sugar-cane 1935

Agriotes spp. 2281

on maize 4262

on potato 2964

on sugar-beet 2663

Agrotis segetum 6032

Anarsia epotias, on *Anacardium*
occidentale 151

Antigastra catalaunalis 2079

Aphanostigma iaksuiense, on pear
2017

aphids, on almond 4894

Aphis gossypii 4934

on cotton 4361

A. pomi, on apple 1418

Argyrotaenia pulchellana, on grapevine
317

Aspidiotus nerii, on *Citrus* 6136–6137

Athalia lugens, on radish 356

Bagrada hilaris, on cabbage 2047

Caliothrips fasciatus, on cotton 4361

Catochrysops strabo, on *Cajanus cajan*
4955

Cnaphalocrocis medinalis 3290–3291
on rice 827

Coccidohystrix insolita, on eggplant
6178

Coccus pseudomagnoliarum, on orange
4328

C. viridis, on coffee 403, 6799–6800

Conotrachelus nenuphar, on apple
7312

Contarinia tritici, on wheat 822

Cryptorhynchus lapathi, on *Populus*
2144

Dichocrocis punctiferalis, on *Ricinus*
communis 885

Drosophila melanogaster 5192

Euphyllura olivina, on olive 1433

Parathion *contd.*

against *contd.*

Eurygaster integriceps

on grain crops 1347

on wheat 7663

Eurytoma amygdali, on almond 4894

Euschistus heros, on soy bean 367

Exelastis atomosa, on *Cajanus cajan*
4955

Heliothis armigera, on *Cajanus cajan*
4955

Heteronychus arator 6958

Hyperodes bonariensis, on maize 3187

Inopus rubriceps 3193, 3195

Javesella pellucida, on wheat 1943

Lacanobia oleracea 1598

Lipaphis erysimi 7190

on cabbage 2047

on mustard 4545

Listronotus oregonensis 877

Macrosiphum euphorbiae, on lettuce
4925

M. rosae, on rose 3024

Melolontha melolontha 2281

Messa hortulana, on *Populus* 2129

Metamasius hemipterus, on sugar-cane
683

Monopis leuconeurella, on *Anacardium*
occidentale 151

Monosteira unicostata, on almond
1406

Mythimna unipuncta 2793

Myzus persicae 5790

on lettuce 4925

Nezara viridula, on soy bean 367

Nilaparvata lugens, on rice 6696

Oncopera spp., in pastures 2832

Ostrinia nubilalis, on maize 6680

Pectinophora gossypiella 3905

pests of beet 2947

pests of *Citrus* 5955

pests of fruit trees 1629

pests of grapevine 1629

pests of hop 1629

pests of orange 6139

pests of rice 828

Phytobia cepae, on *Amaryllidaceae*
379

Piezodorus guildini, on soy bean 367

Planococcus citri 6133

Plusia argentifera 6957

Prays oleae, on olive 1433

Pseudococcus spp., on grapevine 3183

Rhynchophorus ferrugineus 6089

Rhyzopertha dominica, in stored rice
3783

Saissetia oleae, on olive 1643

Salina celebensis, on cacao 903

Saperda carcharias, on *Populus* 2264

Schizaphis graminum, on sorghum
4278

Scirpophaga incertulas, on rice 3599

Parathion *contd.*against *contd.*

- Sitophilus oryzae*, in stored rice 3783
- Sitotroga cerealella*, in stored rice 3783
- Spodoptera eridania* 699
- S. frugiperda* 699
 - on maize 4266
- S. litura*, on *Ricinus communis* 885
- Synoxylon sexdentatum*, on grapevine 7291
- Syringopais temperatella*, on barley 2786
- Tetranychus* spp., on cotton 4361
- Thrips tabaci*, on cotton 893
- Tortrix capensana*, on *Citrus* 5957
- Tribolium castaneum* 1026, 1037, 5046, 6923
- Uroleucon pseudambrosiae*, on lettuce 4925
- in *Achaea janata*
 - effects on water loss of 6398
 - increasing excretion and water loss 3893
- in *Aphis gossypii*, effects of food-plant on susceptibility to 4934
- in *Aphytis chilensis*, toxicity of 6136
- in *Apis mellifera*, toxicity of 3319
- in apple orchards, effects on mites of 2011
- in *Aspidiotiphagus citrinus*, toxicity of 6137
- in blood, determination of 7151
- in cabbage, residues of 2047
- in Chinese cabbage, pollen sterility caused by 7337
- in citrus groves, residues of 4565
- in *Coccinella septempunctata*, toxicity of 7190
- in *Drosophila melanogaster*, bioassay of 2047
- in *Euderus caudatus*, toxicity of 2264
- in fruit, determination of 7151
- in grain fields, effects on Carabidae of 6040
- in *Harpalus rufipes*, toxicity of 802
- in hay, residues of 7663
- in honey bees, toxicity of 2984
- in *Lachnosterna patrueloides*, increasing susceptibility to *Metarhizium anisopliae* 474
- in *Lachnosterna plaei*, increasing susceptibility to *Metarhizium anisopliae* 474
- in *Lagenaria vulgaris*, toxicity of 1446
- in lettuce, residues of 4570
- in mammals, metabolism of 3330
- in man, cholinesterase inhibition by 6984
- in milk, determination of 7151
- in *Momordica charantia*, toxicity of 1446
- in olive groves, non-target effects of 1643
- in peach, residues of 5786

Parathion *contd.*

- in *Pemphigus bursarius*, effects on mycetome of 1033
- in *Pseudomonas*, metabolism of 5777
- in *Pterostichus*, toxicity of 802
- in rat, effects on cardiac dopamine and noradrenaline of 5804
- in soil, degradation of 3933, 5777
- in spinach
 - metabolism of 1059
 - residues of 1052
- in *Spodoptera littoralis*, excretion of 6396
- in *Tribolium castaneum*, effects of diet on susceptibility to 1026
- in urine, determination of 7151
- in vegetables, determination of 7151
- in wheat, residues of 7663
- resistance to, in
 - Amblyseius fallacis*, in Michigan 6025
 - Aphis fabae* 1745
 - Drosophila melanogaster*, in West Germany 1645
 - Schizaphis graminum*, in USA 1938
 - Tetranychus urticae*
 - in Netherlands 4075, 4546
 - in New Zealand 1644
 - Trialeurodes vaporariorum*, and cross-resistance 5794
- synergists for 5790
 - atrazine as 5192
 - dill extracts as 1649
- with *Beauveria bassiana*, against, *Ostrinia nubilalis*, on maize 6680
- with γ -BHC, against, *Synanthedon tipuliformis*, on persimmon 6741
- with chlordane, against, *Agriotes* spp. 3953
- with chlordindeform, against, *Bucculatrix thurberiella*, on cotton 2988
- with DDT, against, *Palpita nitidalis*, on cucumber 357
- with DDT, and toxaphene, against, *Bucculatrix thurberiella*, on cotton 2988
- with endosulfan
 - against
 - Agrotis ipsilon*, on lettuce 2661
 - Keiferia lycopersicella*, on tomato 882
 - Peridroma saucia*, on lettuce 2661
- with ethoprophos
 - against
 - Adrastus* spp., on maize 4262
 - Agriotes* spp., on maize 4262
- with malathion, against, *Phytobia cepae*, on Amaryllidaceae 379
- with methomyl, against, *Keiferia lycopersicella*, on tomato 882
- with methyl-parathion
 - against
 - pests of cotton 2092

Parathion contd.with methyl-parathion *contd.*against *contd.*

pests of fruit trees 1629

pests of grapevine 1629

pests of hop 1629

with mevinphos

against, *Bemisia tabaci*, on bean 4939in bean fields, non-target effects of
4939

with oil emulsion

against

Aonidiella aurantii, on *Citrus* 334*Aspidiotus nerii*, on *Citrus*

6136-6137

Ceroplastes floridensis, on *Citrus*

334

Chrysomphalus aonidum, on *Citrus*

334

Coccus pseudomagnoliarum, on

orange 4328

Demysus meleoides 3726*Lepidosaphes beckii*, on *Citrus* 334*Planococcus citri*, on orange 6133*Saissetia oleae*, on olive 1643in *Aphytis chilensis*, toxicity of 6136in *Aspidiotiphagus citrinus*, toxicity of
6137in *Leptomastidea abnormis*, toxicity of
6133in olive groves, non-target effects of
1643with phenthoate, against, *Bucculatrix**thurberiella*, on cotton 2988**Parathion-ethyl (see Parathion)****Parathion-methyl (see Methyl-parathion)****Paratrechina**, rearing of, techniques for
4722**Paravespula germanica** (see *Vespula*)**parazeae**, *Cicadulina***pardalina**, *Locustana***pardalina**, *Myiopardalis***Pardosa agrestis**

in Poland 1602

insecticides in, toxicity of 1602

Pardosa crassipalpis

acaricides in, toxicity of 160

in South Africa 160

preying on

Tetranychus cinnabarinus, in South

Africa 160

T. lombardini, in South Africa 160*T. ludeni*, in South Africa 160**Pardosa lugubris**

in South Korea 3488

preying on, *Thecodiplosis japonensis*, in

South Korea 3488

Pardosa ramulosa

activity in 1293

in USA 304, 1293

in lucerne fields, in California 304, 1293

population dynamics of 304

Pardosa ramulosa contd.

traps for 1293

Paremydica, taxonomy of, synonym of*Sophrorhinus* 2009**Parena latecincta** (see *P. nigrolineata*)**Parena nigrolineata**

biology of 6634

descriptions of 6634

preying on, *Nephantis serinopa* 6634**parenthesis**, *Hippodamia***Parietaria**, *Agapanthia villosoviridescens* on,

in Italy 1979

parilis, *Psylliodes***parkeri**, *Trichogramma***Parks**, Coccoidea in, in Caucasus 6808**Parlatoria blanchardii**

control of 1988

insecticides for 1992

removal of infested leaves for 1992

in Egypt 7284

in Israel 1988

in Pakistan 1280

in Sudan 1992

on date palm

in Israel 1988

in Sudan 1992

parasitised by, *Aphytis* spp. 5097preyed on by, *Pharoscymnus simmondsi*,

in Pakistan 1280

Parlatoria oleae

biology of 5587

control of, insecticides for 5587

in Egypt 7284

in Iran 5587

on olive, in Iran 5587

Parlatoria pergandii*Aschersonia* spp. in, in Nigeria 3635

biology of 3635, 6126

descriptions of 3635

in Morocco 6126

in Nigeria 3635

in USA 3025

on *Citrus grandis*, in Nigeria 3635

on lemon, in Nigeria 3635

on lime (*Citrus*), in Nigeria 3635

on orange, in Morocco 6126

on *Tillandsia usneoides*, in Georgia (USA)
3025

parasitised by

Aphytis spp. 5097*A. hispanicus*, in Morocco 6126*Prospaltella inquirenda*, and biological

control using, in Morocco 6126

preyed on by

Chilocorus bipustulatus, in Morocco
6126*Lindorus lophanthae*, in Morocco
6126*Pharoscymnus tetrastictus*, in Nigeria
3635**Parlatoria ziziphus**

biology of 5100

***Parlatoria ziziphus* contd.**

- control of, γ -irradiation for 5953
- on *Citrus*, in West Africa 5100

Parnara

- Beauveria bassiana* in, in Orissa 6694
- on rice, in Orissa 6694

Parnara ganga

- biology of 1967
- in China 1967
- on rice, in China 1967
- taxonomy of
 - characters distinguishing *P. guttata* and 1967
 - characters distinguishing *P. naso bada* and 1967

Parnara guttata

- biology of 1967
- in China 1967
- on rice, in China 1967
- taxonomy of
 - characters distinguishing *P. ganga* and 1967
 - characters distinguishing *P. naso bada* and 1967

Parnara naso bada

- biology of 1967, 5510
- in China 1967
- in India 5510
- on rice
 - in China 1967
 - in Orissa 5510
- taxonomy of
 - characters distinguishing *P. ganga* and 1967
 - characters distinguishing *P. guttata* and 1967

parnaeae, Eupteromalus***Paromius gracilis***

- in Sierra Leone 833
- on rice, in Sierra Leone 833

Paropta paradoxus

- control of, insecticides for 4890
- emergence in 4889
- in Israel 4889-4890
- on grapevine, in Israel 4889-4890

Parsley (Petroselinum crispum)

- Caviariella aegopodii* on, in UK 876
- celery (western) mosaic virus in 3113
- DDT in, residues of 5210
- Graphosoma lineatum* on, rearing of 4813

leafhoppers on, in Poland 5590

Miridae on

- damage caused by 2067
- in Poland 2067

Parsnip (Pastinaca sativa)

- Aphis heraclella* on, in Manitoba 7027
- Caviariella aegopodii* on, in UK 876
- chlordan in, residues of 533
- Papilio machaon* on, oviposition by 1183
- pest control on, in UK 3272

partellus, Chilo***parthenica, Coleophora******parthenicola, Contarinia******Parthenium hysterophorus***

- Ferrisia virgata* on
 - damage caused by 6654
 - in Karnataka 6654

Parthenocissus quinquefolia*, extracts of, against, *Tetranychus urticae* 4185**Parthenolecanium corni***

- biology of 5546
- control of
 - growth regulators for 2883
 - insecticides for 5546
- in Czechoslovakia 1195
- in France 2722
- in Switzerland 3626
- in UK 5546
- in USSR 313
- on apple, in Switzerland 3626
- on grapevine
 - in Azerbaijan 313
 - in France 2722
- on red currant, in England 5546
- parasitised by, *Blastothrix confusa*, in Czechoslovakia 1195
- population dynamics of 3626
- preyed on by
 - Blastothrix confusa*, in Czechoslovakia 1195
 - Eublemma scitula*, in France 2722

Parthenolecanium fletcheri

- biology of 6827
- control of
 - crop management for 6827
 - insecticides for 6827
- descriptions of 6827
- in USSR 6808, 6827
- on conifers, in Caucasus 6808
- on *Thuja*
 - damage caused by 6827
 - in Kazakhstan 6827

Parthenothrips dracaenae

- in Bulgaria 3027
- on ornamental plants, in Bulgaria 3027

partii, Cryptolestes**Partridge**

- pesticides in, toxicity of 2293
- preying on, *Leptinotarsa decemlineata*, in Poland 4350-4351

Parus

- preying on
 - Cinara piceae*, in Austria 932
 - Hyphantria cunea*, in Yugoslavia 6546

Parus ater*, eggs of, organochlorine residues in 1047**Parus atricapillus***

- preying on
 - Choristoneura pinus*, in Michigan 3479
 - Crioceris asparagi* 6539
 - C. duodecimpunctata* 6539

- Parus cristatus*, eggs of, organochlorine residues in 1047
- Parus major*, eggs of, organochlorine residues in 1047
- parviceps*, *Tytthus*
- Parvovirus*, in, *Galleria mellonella*, pathogenicity of, effects of wounding on 6347
- parvula*, *Adria*
- parvula*, *Epitrix*
- parvula*, *Frankliniella*
- parvulum*, *Tetropium*
- parvulus*, *Longitarsus*
- parvus*, *Nephotettix*
- Parwal (see *Trichosanthes dioica*)
- Pasania* (see *Lithocarpus*)
- pascuorum*, *Habrolepis*
- pasiuana*, *Cnephiasia*
- Paspalum notatum*, mirex in, residues of 5149
- Paspalum virgatum*
- Diatraea impersonatella* on, in Guadeloupe 6668
- D. saccharalis* on, in Guadeloupe 6668
- Passaloeocus corniger*
- biology of 200
- in UK 200
- preying on, aphids, in England 200
- Passaloeocus gracilis*
- biology of 200
- in UK 200
- preying on, aphids, in England 200
- Passaloeocus insignis*
- biology of 200
- in UK 200
- preying on, aphids, in England 200
- Passer*
- preying on
- Hyphantria cunea*, in Yugoslavia 6546
- Mythimna separata* 5367
- Passer domesticus*, cholinesterase aging in, effects of paraoxon on 1056
- Passer montanus*, preying on, *Mamestra brassicae*, in Japan 873
- Passiflora*, *Toxoptera aurantii* on, in São Tomé 4208
- Passiflora edulis* (see *Passion fruit*)
- Passiflora eichleriana*
- virus resembling passion fruit woodiness virus in
- in Kenya 3802
- symptoms of 3802
- Passiflora ligularis*
- Aphis solanella* on, in Kenya 3802
- Brevicoryne brassicae* on, in Kenya 3802
- Macrosiphum euphorbiae* on, in Kenya 3802
- Passion fruit* (*Passiflora edulis*)
- aphids on, in Kenya 3802
- arthropods associated with, in Colombia 4739
- Passion fruit* *contd.*
- Paracoccus burnerae* on, in South Africa 3989
- Tiracola plagiata* on, in Papua New Guinea 4989
- virus resembling passion fruit woodiness virus in
- in Kenya 3802
- symptoms of 3802
- Passion fruit woodiness virus*
- virus resembling
- in
- Passiflora eichleriana*, in Kenya 3802
- passion fruit, in Kenya 3802
- vectors of 3802
- Passionflower* (see *Passion fruit*)
- Pastinaca sativa* (see *Parsnip*)
- Pastures**
- Acridoidea in
- effects of grazing on 650
- in Siberia 650
- Aeneolamia* spp. in, in Venezuela 1365
- Agrotis ipsilon* in, in Iwate Prefecture 4880
- aphids in, effects of insecticides on 7678
- Aphodius tasmaniae* in, in South Australia 4879
- Chironomidae in, effects of insecticides on 2834, 7678
- Coleoptera in, in Tanzania 4287
- Collembola in, in New Zealand 1978
- Costelytra zealandica* in
- assessing infestations of 2826
- damage caused by 2268, 2825
- in New Zealand 2268, 2825–2826, 2828, 3190–3192, 4882
- Cotinis nitida* in, in Georgia (USA) 5523
- Dalaca noctuides* in, in Chile 4881
- dung beetles in, increasing production 4285
- earthworms in, effects of insecticides on 7678
- Enchytraeidae in, effects of insecticides on 2834
- Halotydeus destructor* in, in Australia 4879
- Heteronychus arator* in
- damage caused by 2268
- in New Zealand 2268, 3134, 3196
- Inopus rubriceps* in
- damage caused by 2268
- in New Zealand 2268, 3193–3195
- insect pests of, in Australia 7686
- Lepidoptera in, in Tanzania 4287
- locusts in, in Turkey 3317
- Micromus angulatus* in, in France 6021
- Mocis disseverans* in, in Florida 4283
- M. latipes* in, in Florida 4283
- M. marcida* in, in Florida 4283
- Mythimna separata* in
- damage caused by 3579

Pastures contd.*Mythimna separata* in contd.

in New Zealand 3579, 3972

M. unipuncta in

in Iran 6663

in Soviet Far East 6077

nematodes in, effects of insecticides on 2833

Oncopera spp. in

damage caused by 301

in Queensland 301

O. alboguttata in, in New South Wales 4879*O. brachyphylla* in, in Queensland 2832*O. intricata* in, in Tasmania 1366*O. mitocera* in, in Queensland 2832*O. rufobrunnea* in

in New South Wales 4879

in Tasmania 1366

Othoniis batesi in, in New South Wales 6044*Oxycaus fuscomaculatus* in, in Tasmania 1366

pest control in, in UK 4286

Popillia japonica in, in Georgia (USA) 5523

rotifers in, effects of insecticides on 2833

Scapteriscus acletus in, in Florida 7280*S. vicinus* in, in Florida 7280*Sminthuridae* in, in New Zealand 1978*Sminthurus viridis* in, in South Australia 4879

soil invertebrates in 1367

Solenopsis invicta in

effects on soil and grasses of 6609

in Louisiana 6609

in Texas 5990

Tana paulseni in, in Chile 685

tardigrades in, effects of insecticides on 2833

Tipulidae in

damage caused by 7279

in Spain 7279

in UK 7589

Tuckerella hypoterra in, in South Dakota 3988*Wiseana cervinata* in, in New Zealand 1977**Pastures, irrigated, insects in, sampling of** 5935***Patanga succincta****Beauveria bassiana* in, pathogenicity of 255*Metarhizium anisopliae* in, pathogenicity of 255***Patasson luna***

in Canada 6079

parasitising, *Hypera postica*, in Quebec 6079***patruelis, Acrotylus******patruelis, Hilda******patrueloides, Lachnosterna, (Phyllophaga)******patulum, Conomorium******paucipunctella, Metzneria******Pausesia***parasitised by, *Phaenoglyphis ruficornis*, in East Germany 1307

parasitising

Cinara spp., in East Germany 1307*Schizolachnus pineti*, in East Germany 1307*Pausesia jezoensis*, in Italy 6625*Pausesia picta*, in Italy 6625*Pausesia pini*, in Italy 6625***Pausesia salignae***

descriptions of 3361

in South Korea 3361

Pausesia silana, in Italy 6625*Pausesia unilachni*, in Italy 6625*paulensis, Monoctonus* (see *M. nervosus*)*paulistorum, Drosophila**paulistus, Eretmocerus**paulistus, Margarodes**Paulownia imperialis, Anadevidia peponis* on, feeding by 6150*Paulownia tomentosa* (see *P. imperialis*)*paulseni, Tana****Pauridia peregrina***

in Peru 701

parasitising, *Planococcus citri*, in Peru 701***Paurocephala gossypii***

control of, insecticides for 4983

in Malawi 4983

on cotton, in Malawi 4983

Pauropsylla depressa

in India 5575

on *Ficus glomerata*

in India 5575

pouch galls of 5575

Pauropsylla nigra

in Philippines 1077

on mango, in Philippines 1077

pavani, Drosophila***pavida, Pales****Paxillus*, in, wood, effects on termites of 4234**PDD 60-40** (see Diflubenzuron)**Pe-t'ai** (*Brassica pekinensis*) (see Cabbage, Chinese)***Pea (Pisum sativum)****Acyrtosiphon pisum* on 2924

development of 862

in Bulgaria 2262

in Moldavia 6354-6355

in Russian Republic 6774

in Switzerland 3155, 5740

Agrotis segetum on, in Iran 1340*Aphis craccivora* on

in India 6775

in New South Wales 1451

A. gossypii on, in New South Wales 1451

arthropod pests of, in UK 545

Pea contd.

bean yellow mosaic virus in, in New South Wales 1451

γ-BHC in

effects of metabolic inhibitors on uptake of 5776

effects on growth of 5776

Bruchus pisorum on, in Punjab 3664

carbaryl in, systemic activity of 1661

Contarinia pisi on

in England 3272, 6153

in UK 7528

cucumber mosaic virus in, infectivity of 5069

Cydia nigricana on

damage caused by 6928

distribution pattern of 5606

effects of winter ploughing on 5605

in East Germany 362, 1050,

5605–5606

in England 2052, 6153

in Poland 1450, 6769, 6928

in Sweden 4337–4338

DDT in, residues of 2295

Delia platura on

damage caused by 4195

in New York 4557

Etiella zinckenella on

effects of sowing date on 2929

in India 6775

in Uttar Pradesh 2929

fonofos in, effects of mineral deficiency on uptake of 5776

Graphognathus leucoloma on, in New Zealand 3605

green gram mosaic virus in, infectivity of 860

Hylemya platura on, oviposition by 3457

insect pests of, in Finland 6592

Kakothrips pisivorus on

in Bulgaria 3027

in Mordovian Republic 6157

Lachnosterna consanguinea on, in Rajasthan 999

Lampides boeticus on, in Himachal Pradesh 2051

leptophos in, residues of 1658

Loxostege spp. on, in North America 7032

Macrosiphum euphorbiae on, in New South Wales 1451

Mamestra brassicae on

development of 67

in USSR 3856

millepedes on, in UK 4749

Myzus persicae on, in New South Wales 1451

pea enation mosaic virus in, aphid transmission of 3112

pest control on

biological 6621

in Poland 6757

Pea contd.

pest control on *contd.*

in UK 3272

in Wisconsin 1455

in Wyoming 2259

pests of

in Egypt 3658

in Idaho 2928

in Oregon 2928

in Washington 2928

Phytomyza horticola on

effects of sowing date on 2929

in India 6775

in Japan 5607

in Uttar Pradesh 2929

Sitona spp. on, in Poland 2050, 6769

S. crinitus on

in Ukraine 7350

in Yugoslavia 5526

S. humeralis on, in Yugoslavia 5526

S. lineatus on

in Oregon 363

in Ukraine 7350

in Yugoslavia 5526

S. lividipes on, development of 1371

S. puncticollis on, in Yugoslavia 5526

S. sulcifrons on, in Yugoslavia 5526

subterranean clover stunt virus in, in New South Wales 1451

Syngrapha circumflexa on, in Egypt 4182

Zabrus tenebrioides on, in Romania 6027

Pea, blackeye (see *Vigna unguiculata*)

Pea, chick (see *Cicer arietinum*)

Pea, cow (see *Vigna unguiculata*)

Pea enation mosaic virus

hosts of 3112

in

Acyrtosiphon pisum

localisation of 3116

transmission of 947

aphids, transmission of 4295

Brevicoryne brassicae, not transmitted 3112

Lipaphis erysimi, not transmitted 3112

lucerne 4295

vectors of 3112

Pea flour, *Lasioderma serricorne* in, development of 4096

Pea mosaic virus

in

Acyrtosiphon pisum, transmission of 455

aphids, transmission of 4295

Aphis craccivora, transmission of 455, 5726

A. fabae, transmission of 455–456, 5726

A. gossypii, transmission of 455

lucerne 4295

Pea mosaic virus contd.

in contd.

Macrosiphum euphorbiae, transmission of 455, 5726*Myzus persicae*, transmission of 455-456, 5726*Vicia faba*, aphid transmission of 456**Pea, pigeon (see *Cajanus cajan*)****Pea pollen**, in *Bruchus pisorum* diet, requirement for 3664**Pea, southern (see *Vigna unguiculata*)****Pea (stored seeds)***Acanthoscelides obtectus* in, in Bulgaria 453*Callosobruchus maculatus* in, oviposition by 3781

carbon disulfide in, effects on germination of 3799

phosphine in, effects on germination of 3799

Pea streak virus

in

aphids, transmission of 4295

lucerne 4295

Peach (*Prunus persica*)*Aegorhinus phaleratus* on, in Chile 686*Anarsia lineatella* on

imported into Austria 6588

in California 2863

in East Germany 2888

in Italy 1292

Anthonomus amygdali on, in Bulgaria 1382*Carpophilus mutilatus* on, in California 5554*Ceratitis capitata* on

in California 4145

in Egypt 1647

in Spain 5115

in Tunisia 492

Ceresa bubalus on, in Italy 1383

Cicadellidae on, in Michigan 331

Conotrachelus nenuphar on, in USA 4012*Cryptophlebia leucotreta* on, in South Africa 5939*Cydia molesta* on

brown rot associated with 5554

imported into Austria 6588

in Bulgaria 2022, 2887

in California 5554

in Chile 2889

in Georgia (USA) 849

in Italy 1292

in New South Wales 2890

in Victoria 2890

Dacus dorsalis on, in California 2667

diseases of, identification of 7306

Enarmonia formosana on, in East Germany 2866*Haptonchus luteolus* on, in California 5554**Peach contd.***Hyalopteris amygdali* on, in Japan 3837*Lachnosterna* spp. on, in Haryana 5372*Magicaada* spp. on, in Ohio 6521*Mimastra cyanura* on, in Himachal Pradesh 7177*Myzus persicae* on

in Italy 7321

in Japan 3837

in Switzerland 2071, 6787

in Washington 3633

Naupactus xanthographus on, in Chile 687*Panonychus ulmi* on

in Egypt 3619

in Italy 1292, 6738

in Ontario 3276

parathion in, residues of 5786

peach X-disease, causal agent in, in Michigan 331

pest control on 7306

in France 7535, 7548, 7563

in Italy 7538

in Ontario 7543

in Spain 7537

insect growth regulators for 6739

pests of

identification of 7306

in France 7548

plum pox virus in, aphid transmission of 4455, 5720

Pseudaulacaspis pentagona on

in Florida 3548

in Georgia (USA) 2023

Quadraspidiotus perniciosus on, in USSR 5552*Recurvaria nanella* on, in Crimea 6099*Sclerotinia fructicola* in, in California 5554*Scolothrips sexmaculatus* on, in Mexico 3357*Sibine nesea* on, in Brazil 3696*Stelidota geminata* on 2475

Tephritidae on, in California 4145

Tetranychus shanghaiensis on, in China 1851*T. urticae* on, in Italy 1292, 6738*T. viennensis* on

damage caused by 6547

in Iran 6547

Peach orchards

beneficial insects in, effects of cultural practices on 3548

Magicaada spp. in, in Ohio 7165**Peach western X-disease**

causal agent

in

celery

extraction of 2185

isolation of 3123

Colladonus montanus

extraction of 2185

Peach western X-disease contd.

causal agent contd.

in contd.

Colladonus montanus contd.

infectivity of 3123, 3496

isolation of 3123

localisation of 3496

replication of 3124

transmission of 2185

Peach X-disease

causal agent

in

Colladonus clitellarius, transmission of 331*Fiebertiella florii*, transmission of 331*Norvellina seminuda*, transmission of 331*Paraphlepsius irroratus*, transmission of 331

peach, in Michigan 331

Prunus cerasus, in Michigan 331*Scaphytopius acutus*, transmission of 331**Peanut (see Groundnut)****Pear (*Pyrus communis*)***Adoxophyes orana* on

in Hungary 4211

in Japan 786

Aphanostigma iaksuiense on, in South Korea 2017*A. piri* on

damage caused by 2018

in France 2018

in Switzerland 2019

Aporia crataegi on, in USSR 7304*Archips podanus* on, in Hungary 4211*Bryobia praetiosa* on, in Punjab 7318*Bucculatrix pyrivorella* on, in Chiba Prefecture 4317*Calioa cerasi* on, in New Zealand 6356*Cataphrodismus rubripennis* on, in Taiwan 4318*Cenopalpus lanceolatisetae* on, in Egypt 3620*C. pulcher* on, in Egypt 3620*Ceratitis capitata* on, in Tunisia 494*Cossus cossus* on, in Bulgaria 420*Cydia pomonella* on

development of 4308

in Hungary 4211

in Oregon 7317

in South Africa 5946

in USSR 5556

in Washington 7303

resistance to 7317

C. pyrivora on, in USSR 6118*Dasineura pyri* on, in New Zealand 3183*Epiphyas postvittana* on

in New Zealand 3183

in Victoria 4899–4900, 6100

Pear contd.*Epitrimerus pyri* on

in British Columbia 6101

in California 1424

in Oregon 3632

Eulecanium tiliae on, in Armenia 7307*Euproctis similis* on, in Yugoslavia 5739*Hedya nubiferana* on, in Hungary 4211*Heterothrips decacornis* on, in Mexico

3357

Hoplocampa minuta on, in Byelorussia 6010*Indarbela* spp. on, in Haryana 2867

insecticides in, residues of 7662

Lepidoptera on, in Hungary 4307

Mimastra cyanura on, in Himachal

Pradesh 7177

Molorchus minor on

damage caused by 5536

in Armenia 5536

Noctuidae on, in New York 2865

Orgyia antiqua on 1032*Panonychus ulmi* on

in Egypt 3619

in New Zealand 3183

pear decline, causal agent in, in Yugoslavia 4908

pest control on

in Chile 7544

in France 7535, 7546, 7563

in Italy 7538

in Spain 7537

integrated 6733

pests of, in Moldavia 2589

Phyllonorycter blancardella on, in Israel 4901*P. corylifoliella* on, in Netherlands 6719*Pristiphora abbreviata* on, in Bulgaria 1414*Pseudococcus comstocki* on, in Maritime Territory 6549*P. maritimus* on 768*Psylla pyri* on

in France 7547

in Yugoslavia 4908

P. pyricola on

distribution pattern of 1288

in Colorado 7319

in Iran 4316

P. pyrisuga on

in Crimea 7316

in Yugoslavia 4908

Psyllidae on, in Moldavia 2590

Recurvaria leucatella on, in Hungary 2012, 4211*R. nanella* on

in Crimea 6099

in Hungary 2012

Sappaphis piri on, in Japan 1096*Spilonota ocellana* on, in Hungary 2012, 4211

Pear *contd.*

Synanthedon myopaeformis on
damage caused by 6117
in Switzerland 6117

Tetranychus cinnabarinus on, in South
Africa 5950

T. urticae on, in California 2885

Thrips spinosus on, in Mexico 3357

Tortricidae on, in Poland 4306

Pear, avocado (see Avocado)**Pear decline**

causal agent

in

pear, in Yugoslavia 4908

Psylla pyri, transmission of 4908

P. pyrisuga, transmission of 4908

Pear orchards, insect growth regulators in,
non-target effects of 4315**Peavine** (see *Lathyrus*)**Pebulate** (*S*-propyl butylethylcarbamothi-
oate)

against, Elateridae, on tobacco 7398

with ethoprophos, against, Elateridae, on
tobacco 7398

Pecan (*Carya illinoensis*)

Clavaspis crypta on, in Georgia (USA)
318

Curculio caryae on 319
assessing infestations of 6715–6716
in Georgia (USA) 7297
in Oklahoma 6715–6716
in Texas 7300

Cydia caryana on, in Georgia (USA)
7302

Eotetranychus hicoriae on, in Georgia
(USA) 2008

Gretchena bolliana on, in Georgia (USA)
3396

Prionus imbricornis on

in Alabama 7294

in Georgia (USA) 7294

Pecan sawdust, diet component for, *Prionus*
imbricornis 2425**pecosensis**, *Phryxe*

Pectin, in *Costelytra zealandica* diet, utilised
by bacteria 2828

Pectinase (see Polygalacturonase)

pectinatae, *Cinara*, (*Buchneria*)

pectinicornis, *Cladius*

pectinicornis, *Episammia*, (*Namangana*)

pectinicornis, *Ptilinus*

Pectinophora endema

attractants for 3869

in Australia 3869

Pectinophora gossypiella

attractants for 3869

control of

chemical termination of fruiting for
2999

economic threshold for 4368

growth regulators for 4365, 7593

Pectinophora gossypiella *contd.*

control of *contd.*

insecticides for 1484, 2092, 2546,
3008, 3712, 3905, 4358, 4373, 4376,
6188, 7511, 7614

sterile-insect release for 4367

diapause in 43, 648, 4977, 5324

effects of hybridisation on 6504

digestive enzymes in 579

dispersal of 3002, 5334

emergence in, relation of lunar phase and
4364

fatty acids in, geographical variation in
6513

feeding behaviour in 4979

flight activity in 4018

haemocytcs in 43

in Australia 3869

in Egypt 2546, 2579, 3002, 3702–3704,
4018, 4358, 4364–4365, 4368, 4375,
4977, 5646, 7614

in India 393, 1484, 2095, 3008, 3905,
4116, 6188

in Mexico 385

in Morocco 7511

in Nigeria 4376

in Sudan 3705

in USA 890, 2999, 3007, 3712, 4373,
4978, 5334, 5644, 6513

in Venezuela 2091–2092

larval development in 648

larval-pupal intermediates in 6504

marking of, radiophosphorus for 5334

mating in 96

natural enemies of, in Texas 4373

nocturnal activity in 4116

nuclear polyhedrosis virus in
and biological control using 3209

infectivity of 3209

on cotton 614

damage caused by 4368, 4375

distribution pattern of 3702, 5646

effects of irrigation on 3007, 5644

in Arizona 890, 2999, 3007, 4978

in California 3712

in Egypt 2546, 3002, 3702–3704, 4018,
4358, 4364–4365, 4368, 4375, 4977,
5646, 7614

in Haryana 2095, 3008, 3905

in Malawi 4983

in Mexico 385

in Morocco 7511

in Nigeria 4376

in Punjab 393, 1484, 6188

in Sudan 3705

in Tamil Nadu 4116

in Texas 4373

in USA 5644

in Venezuela 2091–2092

resistance to 3491, 4979, 4984

evaluation of 4978

***Pectinophora gossypiella* contd.**

- on *Gossypium barbadense*, varietal preferences of 3705
- on *Gossypium hirsutum*, varietal preferences of 3705
- overwintering in 3007, 3703–3704
- oviposition in 3702
- relation of lunar phase and 4364
- parasitised by
 - Bracon kirkpatricki* 5441
 - Ephialtes roborator* 663
 - in Egypt 3704
 - Trichogramma brasiliensis* and biological control using
 - in Mexico 385
 - in Haryana 2095
- preyed on by, *Pyemotes herfsi*, in Egypt 3704
- pupation in 5644
- rearing of, techniques for 6579
- reproduction in 96
- effects of γ -irradiation on 614
- sex pheromone of, inhibitors of response to 4983
- traps for 890, 2579, 4116

Pectinophora scutigera

- attractants for 3869
- in Australia 3869

pectoralis*, *Arge***peculiaris*, *Megalurothrips***

- Pedaliaceae, cowpea aphid-borne mosaic virus in, infectivity of 2931

Pedinus femoralis

- in Bulgaria 1194
- population growth in, effects of irrigation on 1194

Pediobius

- hyperparasitising, *Lymantria dispar*, in Ukraine 6002
- parasitising
 - Apanteles porthetriae*, in Ukraine 6002
 - Henosepilachna guttatopustulata*, in Queensland 225

- Pediobius bruchicida***, taxonomy of, *Pediobius routensis* as synonym of 3370

Pediobius coffeicola

- hyperparasitising, *Coelaenomenodera elaeidis*, in West Africa 1166
- parasitising
 - Cotterellia podagrica*, in West Africa 1166
 - Pediobius setigerus*, in West Africa 1166
 - Sympiesis aburianus*, in West Africa 1166

Pediobius foveolatus

- parasitising
 - Epilachna varivestis* 3673
 - and biological control using, in Maryland 3672
- rearing of, techniques for 3673

Pediobius furvus

- biology of 249
- parasitising, *Sesamia calamistis*, and biological control using, in Réunion 249

Pediobius nawai* (see *P. pyrgo*)**Pediobius pyrgo***

- in Japan 786
- parasitising, *Goniozus japonicus*, in Japan 786

- Pediobius routensis***, taxonomy of, synonym of *P. bruchicida* 3370

Pediobius setigerus

- parasitised by
 - Pediobius coffeicola*, in West Africa 1166
 - P. vigintiquinque*, in West Africa 1166
 - parasitising, *Coelaenomenodera elaeidis*, in West Africa 1166
- Pediobius vigintiquinque***
- hyperparasitising, *Coelaenomenodera elaeidis*, in West Africa 1166
 - parasitising
 - Cotterellia podagrica*, in West Africa 1166
 - Pediobius setigerus*, in West Africa 1166
 - Sympiesis aburianus*, in West Africa 1166

Pegohylemyia anthracina

- biology of 5405
- in Czechoslovakia 5405
- on *Picea abies*, in Czechoslovakia 5405

***Pegohylemyia fugax* (see also *Hylemya fugax*)**

- biology of 5592
- in Switzerland 5592
- traps for 5592

Pegohylemyia gnava

- biology of 5405
- in Czechoslovakia 5405
- on *Lactuca scariola*, in Czechoslovakia 5405
- on *Lactuca virosa*, in Czechoslovakia 5405
- on lettuce, in Czechoslovakia 5405

Pegohylemyia seneciella

- biology of 5405
- in Czechoslovakia 5405
- on *Senecio jacobaea*, in Czechoslovakia 5405

Pegomya

- control of, insecticides for 2947
- on beet, in France 2947

Pegomya betae

- attractants for 1660
- control of, insecticides for 3958, 7600
- distribution of 2946
- in East Germany 4346, 4524
- in France 3958
- on sugar-beet 7600
- distribution pattern of 4524

- Pegomya betae* contd.**
 on sugar-beet *contd.*
 in East Germany 4346, 4524
 in France 3958
 surveillance for 4346
 population dynamics of 4524
 repellents for 1660
 sex pheromone of 1660
 taxonomy of, *Pegomya hyoscyami*
 misidentified as, in Spain 2946
- Pegomya hyoscyami***
 biology of 2946
 control of 3219
 insecticides for 2950
 distribution of 2946
 in Poland 1463, 2950, 4130, 6782
 in Spain 2946
 on root crops, in Poland 6782
 on sugar-beet, in Poland 2950
 parasitised by, *Opius wesmaelii*, in Spain 2946
 seasonal abundance of 4130
 taxonomy of, misidentified as *P. betae*, in Spain 2946
- Pegomya mixta***
 control of, insecticides for 4963
 distribution of 2946
 in Egypt 4963
 on beet, in Egypt 4963
- Pelargonic acid** (see Nonanoic acid)
- pelargonii*, *Acyrtosiphon***
 (*Aulacorthum*)
- Pelargonium hortorum*, *Tetranychus ludeni***
 on, in China 1851
- Pelecanus occidentalis***
 organochlorine insecticides in, residues of 2303
 polychlorinated biphenyls in, residues of 2303
- Pelican, brown** (see *Pelecanus occidentalis*)
- Pelidnota***, on sugar-cane, in Dominican Republic 7225
- pellio*, *Attagenus***
- pellionella*, *Tinea***
- pellucens*, *Oecanthus***
- pellucida*, *Acrida*** (see *A. bicolor*)
- pellucida*, *Camnula***
- pellucida*, *Javesella***
- pellucida*, *Nemoraea***
- pellucidaria*, *Lambdina***
- Pelopidas mathias***
 in India 4848, 5510
 on rice
 in India 5510
 in Karnataka 4848
- peltatus*, *Platycheirus***
- peltigera*, *Heliothis***
 (*Chloridea*)
- Peltophorum inerme***, juvenile-hormone
 activity of extracts of 4064
- Pempherulus affinis***
 in India 3004, 6187
- Pempherulus affinis* contd.**
 on cotton
 in Tamil Nadu 3004, 6187
 resistance to 3004
- Pemphigidae**
 on *Crataegus*, in Switzerland 3373
 on *Melica*, in Switzerland 3373
- Pemphiginae**, in UK 4597
- Pemphiginus***, in UK 4417
- Pemphigus***
 descriptions of 2345
 food-plants of 5341
 in Japan 2345
 in UK 4417
 in Ukraine 5341
- Pemphigus auriculae***
 biology of 4417
 in UK 4417
- Pemphigus borealis***, in UK 4417
- Pemphigus bursarius***
 biology of 347, 4417, 6825
 control of, insecticides for 2912
 in India 6825
 in Switzerland 2912
 in UK 4417
 in West Germany 347
 life-cycle of 2912
 mycetome in, effects of insecticides on 1033
 on Compositae, in Kashmir 6825
 on endive
 in Switzerland 2912
 in West Germany 347
 on *Lactuca scariola* 573
 on lettuce 573
 in Switzerland 2912
 in West Germany 347
 on *Populus*, in West Germany 347
 on *Populus nigra*
 in Kashmir 6825
 in Switzerland 2912
 parasites of, in West Germany 347
 predators of, in West Germany 347
 sexuparae production in, effects of food-plant on 573
- Pemphigus filaginis***
 biology of 4417
 in UK 4417
- Pemphigus fuscicornis***
 biology of 369
 control of, insecticides for 369, 5613
 in USSR 369, 6018, 6783
 on beet
 effects of fertilizers on 5613
 in Krasnodar 369
 in Ukraine 6018
 on *Chenopodium*, in Krasnodar 369
 on sugar-beet
 effects of fertilizers on 6783
 effects of irrigation on 6783
 in Kirghizia 6783

***Pemphigus fuscicornis* contd.**

predators of, effects of insecticides on 6018

preyed on by

Thaumatomyia glabra, in Ukraine 6018

T. rufa, in Ukraine 6018

taxonomy of 5341

Pemphigus gairi

biology of 4417

in UK 4417

Pemphigus lichtensteini

food-plants of 5341

taxonomy of 5341

Pemphigus lysimachiae

biology of 4417

in UK 4417

Pemphigus phenax

biology of 4417

in UK 4417

Pemphigus populi

biology of 4417

descriptions of 4417

food-plants of 5341

in UK 4417

on *Lathyrus pratensis*, in UK 4417

on *Medicago lupulina*, in UK 4417

on *Melilotus altissima*, in UK 4417

taxonomy of 5341

Pemphigus poschingeri* (see *Prociphilus fraxini*)**Pemphigus protospirae***

biology of 4417

in UK 4417

Pemphigus rubiradicis*, in UK 4417**Pemphigus saliciradicis***

biology of 4417

in UK 4417

Pemphigus spirothecae

biology of 347, 4417, 6213

in Canada 6213

in UK 4417

in West Germany 347

on *Populus*, in West Germany 347

on *Populus italica*

galls of 6213

in British Columbia 6213

Pemphigus vesicarius

food-plants of 5341

taxonomy of 5341

Penaus aztecus

DDE in, residues of 5199

dieldrin in, residues of 5199

Pencap M (see Methyl-parathion)***Pendarus*, taxonomy of 3979*****pendula*, *Wesmaelia******pendulus*, *Rosenus******Penichroa fasciata***

biology of 2179

food-plants of 2179

in Italy 2179

in Yugoslavia 2179

***Penichroa fasciata* contd.**

parasitised by

Ichneumonidae, in Italy 2179

Sclerodermus domesticus, in Italy

2179

preyed on by, *Opilo domesticus*, in Italy

2179

***Penicillin*, in *Dacus cucurbitae*, effects of**

4088

Penicillium

in

Drosophila melanogaster, pathogenicity of 227

Thyridopteryx ephemeraeformis

in Georgia (USA) 2735

pathogenicity of 963

insecticidal activity of 227

Penicillium lanosum*, in, *Thyridopteryx

ephemeraeformis, pathogenicity of 963

***Penicillium multicolor*, aldicarb in,**

metabolism of 6420

***Penicillium rugulosum*, insecticidal activity**

of extracts of 4549

pennaria*, *Colotois***pennatula*, *Psalis******pennipes*, *Trichopoda******Pennisetum*, *Tetraneura nigriabdominalis* on,**

in São Tomé 4208

Pennisetum clandestinum

Inopus rubriceps on, in New South Wales 240

Oncopera spp. on, in Queensland 301

Sphaeraspis salisburyensis on, in Rhodesia 813

Tripeuxoa strigata on, in Uruguay 5404

Pennisetum pedicellatum*, *Cnaphalocrocis

medinalis on, in Madhya Pradesh 7216

Pennisetum purpureum*, *Rhopalosiphum

maidis on, in Delhi 4874

Pennisetum typhoides

Aethus laticollis on, in Punjab 3366

Atherigona approximata on

damage caused by 820, 4830

in Tamil Nadu 820, 4830

Bagrada hilaris on, in Punjab 4269

Balclutha spp. on, in Delhi 6057

Cyaneolytta acteon on, in Punjab 4829

Euproctis virguncula on, in Punjab 1345

Hieroglyphus nigroropletus on, in Delhi 7231

Lachnosterna fissa on, in Haryana 5372

Marasmia trapezalis on 4076

Prosapia bicincta on 2572

Rhinyptia laeviceps on

damage caused by 4873

in Rajasthan 4873

Pennsylvania

apple in, pest management on 6730

Archips semiferanus in, on *Quercus* 3059, 4735

Deraeocoris nebulosus in 6614

Pennsylvania contd.

- Dicyphus rhododendri* in, on
Rhododendron 6553
Lambdina athasaria in, on *Tsuga canadensis* 3764
Lymantria dispar in 543, 2140
on *Quercus* 6222
Ostrinia nubilalis in 2412
Panonychus ulmi in, on apple 329
Phytocoris discoidalis in, on *Pinus* 1723
P. schuykillensis in, on *Pinus* 1723
Stomopteryx palpilineella in, on *Coronilla varia* 6653
pennsylvanicus, *Camponotus pennsylvanicus*, *Gryllus pennsylvanicus*, *Vespula*
Pentac (see *Dienochlor*)
Pentacosane, in *Solenopsis richteri* cuticle 4200

Pentacosane, 3-methyl-

- in *Solenopsis invicta* cuticle 4200
in *Solenopsis richteri* cuticle 4200

Pentadecanoic acid

- attractant for, *Tribolium castaneum* 3266
in *Anastrepha suspensa*, effects of age on 5310

1-Pentadecene, in *Tribolium confusum* sex pheromone 1777**9-Pentadecyn-1-ol**, acetate, inhibitor of *Adoxophyes orana* response to sex pheromone 1069**pentagona**, *Pseudaulacaspis***Pentalonia nigronervosa**

- banana bunchy top virus in, transmission of 344
cardamom mosaic virus in, transmission of 145
control of, insecticides for 344
in India 145
in São Tomé 4208
on *Musa*, in São Tomé 4208

Pentamerismus oregonensis

- in Brazil 6550
on conifers, in Brazil 6550

Pentane, repellent for, *Monochamus alternatus* 1073**1,5-Pentanedial**, fixative for nuclear polyhedrosis viruses 4462**Pentanoic acid**

- attractant for, *Dermestes maculatus* 3266
phagostimulant for
Dermestes maculatus 3266
Trogoderma granarium 3266

Pentanoic acid, 3,5-dihydroxy-3-methyl-

- in *Anthonomus grandis*, incorporation into sex pheromone of 601
in *Hyalophora cecropia*, not incorporated into JH 2443

Pentanoic acid, 4-methyl-2-oxo-

- in *Argyrotaenia velutinana*, nonutilisation of 1756
in *Heliothis zea*, nonutilisation of 1756

Pentanoic acid, 4-methyl-2-oxo- contd.

- in *Phormia regina*, nutritional value of 1756

Pentanoic acid, 4-oxo-, against, *Tetranychus urticae* 1004**Pentatomidae**

- food-plants of 5535
in Iran 2336
in Ohio 2356
keys to 2356
on Poaceae, in Pakistan 1338
preying on
Caliroa cerasi 6356
Crioceris asparagi, in Massachusetts 3647
Lymantria dispar, in Europe 3168
taxonomy of 2356

Pentatomioidea, scent apparatus in 7035**Pentatomophaga bicincta**

- in Papua New Guinea 1388
parasitising, *Axiagasta cambelli*, in Papua New Guinea 1388

Pentatrachopus fragaefolii (see *Chaetosiphon*)**Pentatrachopus thomasi** (see *Chaetosiphon*)**2-Pentenoic acid, 3-methyl-5-(4-phenoxyphenyl)-**

- ethyl ester
against
Aspidiotus nerii, on *Nerium oleander* 2883
Lymantria dispar 5789
Parthenolecanium corni, on apple 2883
Pieris brassicae 5789
Plutella xylostella 5789
Psylla pyri, on pear 4315
in Hymenoptera, effects of 5789
methyl ester
against
Aspidiotus nerii, on *Nerium oleander* 2883
Parthenolecanium corni, on apple 2883

2-Pentenol, 3-methyl-, in *Hyalophora cecropia*, not incorporated into JH 2443**Penthaleidae**, biology of 2326**Penthaleus major**

- control of, acaricides for 2784
in Australia 2784
on oats, in Queensland 2784

Pentodontini

- in Australia 4610
in New Zealand 4610

Pentose phosphate pathway

- in *Bombyx mori* 4626
in *Pieris brassicae* 35
effects of DU-19111 on 3287
in *Tenebrio molitor* 4625
in *Thaumetopoea pityocampa*, effects of DU-19111 on 3287

- Pentstemon laevigatus*, *Heliothis* spp. on, in South Carolina 3512
- peponis*, *Anadevidia* (*Plusia*)
- Pepper, black** (see *Piper nigrum*)
- Pepper mottle virus**
in
 Capsicum annuum, resistance to 3111
 Myzus persicae, transmission of 3111
- Pepper veinal mottle virus** 7477
in
 Aphis spp., transmission of 2186
 Capsicum annuum, in Nigeria 2186
 C. frutescens, in Nigeria 2186
- Peppermint** (see *Mentha piperita*)
- Pepsin** (see Pepsin A)
- Pepsin A**
digestion of nuclear polyhedrosis viruses by 4462
in *Pectinophora gossypiella* gut 579
in *Phthorimaea operculella* gut 4649
- Peptidase, entero-**, degradation of *Bacillus thuringiensis* δ -endotoxin using 959
- Peptides**
in *Manduca sexta* corpus cardiacum 2441
in *Pieris brassicae* hemolymph, tyrosine reservoir 4681
- Peptones**
culture-medium component for
 Beauveria bassiana 2217
 Entomophthora thaxteriana 2194, 4480
 Metarhizium anisopliae 2217
- pequodorum*, *Praon*
- Perca flavescens**
organochlorine insecticides in, residues of 4560
polychlorinated biphenyls in, residues of 4560
- Perch, yellow** (see *Perca flavescens*)
- Perdix perdix**, preying on, *Leptinotarsa decemlineata*, in Poland 4350–4351
- peregrina*, *Hungariella*
- peregrina*, *Pauridia*
- peregrinus*, *Arhopoideus*
- Peregrinus maidis**
in USA 6052
maize mosaic virus in, transmission of 6052
on maize
 diseases transmitted by 6054
 in Alabama 6052
- Perezia hyperae**
sp. n., description of 483
in, *Hypera postica*, pathogenicity of 483
- Perezia pyraustae** (see also *Nosema pyraustae*)
in
 Ostrinia nubilalis
 effects of 484
- Perezia pyraustae** contd.
in contd.
- Ostrinia nubilalis* contd.
effects on overwintering and pupation of 2789
in North Dakota 2789
- perfectus**, *Trichomalus*
- Perfekthion** (see Dimethoate)
- perforans**, *Xyleborus*
- Perga dorsalis**
aggregation in 105
convective and evaporative cooling in 105
- pergandii**, *Parlatoria*
- Pergesa elpenor** (see *Deilephila*)
- Peribaea tibialis**
in USSR 6767
parasitising, *Mamestra brassicae*, in Caucasus 6767
- Pericallia ricini**
control of, antifeedants for 1711, 3929
enzymes in 1112
granulosis virus in, in Kerala 950
nuclear polyhedrosis virus in, in Kerala 950
on cacao 3929
on *Ricinus communis*, in Kerala 950
- Pericoptus truncatus**, RNA virus in, effects of 3134
- Peridotopyge**
on groundnut
 damage caused by 2064
 in Nigeria 2064
- Peridotopyge spinosissima**
in Nigeria 5609
on groundnut, in Nigeria 5609
- Peridroma saucia**
biology of 3510
control of, insecticides for 2661
forecasting outbreaks of, use of light-traps in 5762
in Bulgaria 511, 3510, 5762
in Chile 699
in France 548
in Mexico 1164
in USA 330
 Nomuraea rileyi in, pathogenicity of 7487
on apple, in North Carolina 330
on *Capsicum*, in Bulgaria 511, 3510
on lettuce, artificial infestation with 2661
on lucerne, in Chile 699
parasitised by
 Archytas apicifer 3621
 Pales pavidus, in France 548
 Tachina fera, in France 548
rearing of, diets for 2661
traps for 1164
- Perilampus hyalinus**
in Canada 5452
parasitising, *Neodiprion swainei*, in Quebec 5452

- Perilampus tristis***
hyperparasitising, *Cydia pomonella*, in Austria 3252
in Austria 3252
parasitising
 Ascogaster quadridentata, in Austria 3252
 Pristomerus vulnerator, in Austria 3252
- Perileuoptera coffeella*** (see *Leucoptera*)
- Perilissus luteolator***
in France 1091
parasitising
 Caliroa annulipes, in France 1091
 C. cinxia, in France 1091
 C. varipes, in France 1091
- Perilitus coccinellae***
in USA 5471
parasitising, *Ceratomegilla maculata*, in New York 5471
- Perilitus persimilis***, parasitising,
 Coelaenomenodera elaeidis, in West Africa 1166
- Perilloides bioculatus***
in Czechoslovakia 7103
life history of 7103
preying on, *Leptinotarsa decemlineata*, in Czechoslovakia 7103
- Perillus bioculatus*** (see *Perilloides*)
- Perina nuda***
in India 5464
on fig, in Tamil Nadu 5464
parasitised by, *Brachymeria croceogastralis*, in Tamil Nadu 5464
- Periplaneta americana***
acetylcholine mustard in, toxicity of 3275
auditory system in 4657
carbaryl in, metabolism of 3526
cellular defense reactions in 4033
in electric fields, tracking of 7149
juvenile hormone in, synthesis of 3394, 5884
preyed on by, *Formica polyctena* 1266
- Periplaneta fuliginosa***
control of, inert atmospheres for 7457
in Japan 7457, 7460
in milk powder
 in Japan 7457, 7460
 survival of 7460
seasonal abundance of 7457
- Periploca mimula***
biology of 5019
in USA 5019
on *Juniperus chinensis*, in Tennessee 5019
- Peristenus***
in North America 1082
larvae of 4216
parasitising, *Lygus rugulipennis*, in Poland 4216
- Peristenus digoneutis***
biology of 91
in Poland 196
parasitising
 Lygus rugulipennis 91
 in Poland 196
taxonomy of, misidentified as *Leiophron reclinator*, in Poland 196
- Peristenus pallipes*** 1082
- Peristenus pseudopallipes***
in Canada 7334
parasitising, *Lygus lineolaris*, in Quebec 7334
taxonomy of, transferred from *Leiophron* 1082
- Peristenus rubricollis***
biology of 91
in Poland 196
parasitising
 Lygus rugulipennis 91
 in Poland 196
taxonomy of
 misidentified as *Leiophron accinctus*, in Poland 196
 misidentified as *Leiophron pallipes*, in Poland 196
- Peristenus stygicus***
in Poland 196
parasitising, *Lygus rugulipennis*, in Poland 196
taxonomy of, misidentified as *Leiophron relictus*, in Poland 196
- peritana, Ptycholoma***
- Perithous***, parasitising, *Psenulus schencki*, in Russian Republic 6011
- Perkinsiella saccharicida***
in Australia 261, 3575
on sugar-cane
 in Australia 3575
 in New South Wales 261
population dynamics of 261
preyed on by, *Tytthus mundulus*, in Australia 3575
- perla, Chrysopa***
- Perma-Guard** (see Kieselguhr)
- Permanganic acid (HMnO₄)**, potassium salt, against, *Tetranychus urticae*, on *Phaseolus* 6935
- Permethrin** (see Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester)
- perniciosi, Prospaltella***
- pernicius, Quadraspidiotus***
- Perniphora robusta***
fecundity in, effects of feeding on 6617
feeding behaviour in, effects of *Aphis craccivora* honeydew on 6617
in Switzerland 3543
in West Germany 3543
life-span in, effects of feeding on 6617

***Perniphora robusta* contd.**

parasitised by, *Ipideurytoma spessivtsevi* 3543

parasitising

Trypodendron spp.

in Switzerland 3543

in West Germany 3543

T. domesticum 6617

T. lineatum 6617

Xyleborus spp.

in Switzerland 3543

in West Germany 3543

pernyi*, *Antheraea**Perocin (see Zineb)****Peroxidase**

in cabbage, effects of *Eurydema rugosum* on 1442

in *Leptinotarsa decemlineata*, effects of food-plant on activity of 5875

in sesame, effects of *Asphondylia sesami* on 2979

in sugar-beet, effects of *Lygus disponi* on 2954

Perozin (see Zineb)***perperus*, *Paracoccus******perplexus*, *Aphaenogaster******perplexus*, *Plesiothrips******perplexus*, *Telenomus******perpusilla*, *Pyrilla******perrieri*, *Coelaenomenodera******Persea americana* (see Avocado)*****perseaflorae*, *Tegolophus******Persectania aversa***

control of, insecticides for 2269

in New Zealand 2269

on wheat, in New Zealand 2269

Persectania ewingii

dispersal of 4115

in Australia 4115

outbreaks of 4115

persicae*, *Brachycaudus***persicae*, *Ephedrus******persicae*, *Myzus***

(*Myzodes*)

persicaeniger*, *Brachycaudus* (see *B. persicae*)**persimilis*, *Perilitus******persimilis*, *Phytoseiulus******Persimmon* (*Diospyros kaki*)**

Synanthedon tipuliformis on

damage caused by 6741

in Italy 6741

personata*, *Mycetaspis***perspicuosus*, *Azotus******perspicata*, *Nausinae*, (*Lepyrodes*)*****perspicax*, *Gitonides*, (*Gitona*)*****persuasoria*, *Rhyssa******pertenerus*, *Metacanthus******Perthane* (see Ethyl-DDD)*****perthecatus*, *Parasitus******pertinax*, *Hadrobregmus*, (*Anobium*)*****perturbatus*, *Ips*****Peru**

Amplicephalus ica in, on *Cynodon dactylon* 14

Anastrepha bahiensis in 2667

Anomis texana in

natural enemies of 2708

on cotton 2707-2708

aphids in 176

natural enemies of 696

Bergallia rosa in, on *Cynodon dactylon* 14

Bregmatothrips venustus in, on *Cynodon dactylon* 1246

Ceratitis capitata in 673, 3215, 7544

Chirothrips frontalis in, on wheat 1246

Copitarsia turbata in, on *Vicia faba* 697

Cosmopolites sordidus in, on banana 1434

Diatraea saccharalis in

on maize 704

on rice 709-710

Elasmopalpus lignosellus in, on maize 706

Feltia subterranea in, on lucerne 1375

Gryllidae in 1271

Gryllotalpidae in 1271

Heliothis virescens in, on *Cicer arietinum* 695, 707

Ichneumonidae in 702

Isoneurothrips spp. in 1092

Lepidosaphes beckii in, on *Citrus* 708

Liriomyza flaveola in, on *Vicia faba* 697

Melanagromyza virens in, on *Vicia faba* 697

mites in, in foodstuffs 5707

Noctuidae in 156

Oecanthidae in 1271

Palpita nitidalis in, on cucumber 357

Phthorimaea operculella in

natural enemies of 1277

on potato 677, 1277

on tobacco 677, 1277

Plodia interpunctella in, in stored wheat 680

Pseudococcidae in 701

Rhopalosiphum maidis in

natural enemies of 283

on maize 283

Rhyzopertha dominica in, in stored wheat 680

Rupela albinella in, on rice 710

Sagallasa valida in, on oil palm 1990, 4452

Scrobipalpus absoluta in, on tomato 677

Selenaspidus articulatus in, on *Citrus* 1098

Sitophilus spp. in, in stored wheat 680

Sitotroga cerealella in, in stored wheat 680

Sogatodes orizicola in, on rice 710

Spodoptera eridania in

on lucerne 1375

Peru contd.

- Spodoptera eridania* in *contd.*
 - on *Vicia faba* 697
- sterile-insect release in 5126
- stored-product insects in 692
- Sufetula diminutalis* in, on oil palm 1990
- Thysanoptera in 676, 1245
- Tingidae in 1244

peruvianus, Dermestes

Pest control

- books on 6563
- chemical methods of 5116
- crop resistance for 4499
- development of agroecosystems for 4491
- ecological aspects of 4489
- economic thresholds for 6365
- environmental effects of 536
- evaluation of 6381
- history of 5742
- importance of basic information in 5741
- in Austria 6650, 6991
- insect-resistant plants for 6377
- mathematical model for strategies of 111
- non-chemical methods of 7503
- operational and policy aspects of 4490
- radiation for 4498
- role of population dynamics in 5368
- role of UK in international aspects of 7632
- sex pheromones for 7623
- training course on 5089

Pest management 4589

- application of general systems theory for 6195
- books on 6374
- computer-based extension delivery system for 7502
- conferences on 4492, 6361
- ecological principles of 3156
- economics of 6365
- future techniques of 995-996
- in Iowa 6364
- in USA 991
- legal, social and economic restrictions on, in USA 992
- modelling and systems analysis in 6373
- of *Dendroctonus brevicornis* 5022-5023
- of *Dendroctonus frontalis* 5022, 5028
- on apple 6730
- on cotton 4373, 7395
- on lucerne 4515
- reviews of 6363
- systems approach to 5964
- use of sequential sampling in 6565

Pestalotia

- in
 - Thyridopteryx ephemeraeformis* in Georgia (USA) 2735
 - pathogenicity of 963

Pestalotiopsis glandicola, in, oil palm,

- Gargaphia* damage facilitating infection by 3615

Pestalotiopsis palmarum, in, oil palm,

- Gargaphia* damage facilitating infection by 3615

Pesticides

- aerial application of 6902
- and the safeguarding of health 2276
- application methods for 4743
- biochemical design of 7626
- determination of, methodology for 3486
- direct effects on yield of, detection of 6913
- economic aspects of 5965
- economic evaluation of 4510
- embryonic stages as indicators of effects of 7640
- environmental aspects of 4542
- environmental impact of 7561
- environmental pollution with 5157, 6950, 6952, 7532
- evaluation of, cell cultures for 6564
- formulations of 1017, 1613-1614, 3268
- health aspects of 7569
- in air, residues of 3884
- in aquatic ecosystems, non-target effects of 3890
- in environment
 - effects of 4743
 - non-target effects of 2276
- in foodstuffs
 - effects of processing on residues of 3880
 - metabolism of 6302
 - residues of 3887
- in house dust, residues of 4530
- in insects, role of enzymes in elimination of 3271
- in man
 - information on treatment of poisoning by 5175
 - toxicity of 5203
- in soil
 - books on 6389
 - persistence of 1699
- in vertebrates
 - metabolism of 6302
 - role of enzymes in elimination of 3271
- in water, books on 6389
- indirect effects of 7562
- microbial degradation of 5162
- mutagenicity testing of 5166
- need for 5173
- parameters in design of 7627
- photochemistry of 5966
- physical properties of 1613, 1620
- problems in manufacture of 7621
- protecting tractor operators from 4502
- radioimmunoassay for 7151
- recommendations on daily intakes of 6929-6932
- registration data for 5174
- registration of 6266-6267
- registration requirements for 5774

Pesticides contd.

- research on 6950
- residues of 6267
- role of biological tests in discovery of 7628
- selectivity of 6916, 7560
- testing in tropical and subtropical areas 4509
- toxicological evaluation of 6943
- use of, in East Germany, legislation for 2295

Pests, assessment of social and economic impact of 994

Petkolin

- with phosalone
- against

Plutella xylostella

- on cauliflower 2038
- on radish 2038

Petriella setifera, in, timber, effects on termites of 7210

Petrobia latens

- in Poland 4748
- on Cruciferae, in Poland 4748

Petroleum ether (see Ligroine)

Petroselinum crispum (see Parsley)

Petrova cristata

- habitats of 3044
- in Japan 3044
- on *Pinus densiflora*, in Fukuoka Prefecture 3044
- on *Pinus thunbergii*, in Fukuoka Prefecture 3044

Petrova gemmeata

- in Japan 433
- on conifers, in Japan 433
- taxonomy of, *Petrova splendida* as synonym of 433

Petrova resinella

- in USSR 5453
- on *Pinus*, in USSR 5453
- parasitised by, *Trichogramma evanescens* 5453

Petrova splendida, taxonomy of, synonym of *P. gemmeata* 433

petrovae, Apanteles

Petunia, *Eteobalea serratella* on, feeding by 5479

Peucedanum palustre, *Papilio machaon* on, oviposition by 1183

PGP-102, against, *Tetranychus urticae*, on pear 2885

PGP-103, against, *Tetranychus urticae*, on pear 2885

pH

- effects on *Bacillus thuringiensis* insecticidal activity of 4473
- in *Achaea janata* 4037
- in *Achaea janata* mid-gut, effects of *Bacillus thuringiensis* on 6342
- in *Attvea fabriciella* 4037

pH contd.

- in *Bacillus thuringiensis* formulations 3169
- in *Coccinella septempunctata* gut 3406
- in *Dasineura amaramanjarae* gut 4038
- in *Odontotermes obesus* gut 4624
- in pasture soil, relation of invertebrate fauna and 1367
- in *Pectinophora gossypiella* gut 579
- in pesticide formulations, effects on stability of 5772
- in *Phthorimaea operculella* gut 4649
- in soil
 - effects of *Solenopsis invicta* on 6609
 - effects on trichlorphon degradation of 3923

PH 60-38 (see Benzamide, 2,6-dichloro-*N*-[[4-(4-chlorophenyl)amino]carbonyl]-)

PH 60-40 (see Diflubenzuron)

Phaedon cochleariae, control of, insecticides for 2664, 3959, 4559

Phaenodonia inclusa

- control of, insecticides for 717
- on soy bean 717, 722
- resistance to 723
- rearing of, techniques for 722

Phaenacantha australiae

- biology of 2671
- descriptions of 2671
- in Australia 2671
- on sugar-cane, in Queensland 2671

Phaenacantha saccharicida

- control of, insecticides for 259
- in Malaysia 259
- on sugar-cane
 - damage caused by 259
 - in Malaya 259

Phaenocarpa, group A of, revision of 5834

Phaenoglyphis piciceps

- hyperparasitising, aphids, in New Zealand 1895
- in New Zealand 1895

Phaenoglyphis ruficornis

- hyperparasitising
 - Cinara* spp., in East Germany 1307
 - Schizolachnus pineti*, in East Germany 1307

in East Germany 1307

parasitising, *Pauesia* spp., in East Germany 1307

taxonomy of, *Allotria pubicollis* as synonym of 1307

Phaenops cyanea

- control of, trap-trees for 5007
- in Greece 5000
- in West Germany 5007
- on *Abies cephalonica*, in Greece 5000
- on *Pinus sylvestris*, in West Germany 5007

Phaeogenes cynarae

- biology of 763
- in USA 763

Subject Index

Phaenogenes cynarae contd.

- parasitising, *Platyptilia carduidactyla*, in USA 763
- pheromones in 763

Phaenogenes invisor

- in USSR 6832, 7422
- parasitising, *Tortrix viridana*, in Russian Republic 6832, 7422

phaeopteralis, *Herpetogramma*

Phagostimulants

- for *Aulacophora foveicollis*, in *Lagenaria vulgaris* 1447
- for *Leptinotarsa decemlineata* 589
- for *Lymantria dispar*, apple, oak, and spruce extracts as 4112
- for *Phthorimaea operculella* in eggplant 3683
- in potato 3683
- for *Pissodes notatus*, in *Pinus pinaster* 5678
- for *Scolytus multistriatus*, lignin intermediates and simple phenolics as 46
- for *Sitophilus granarius* 5063
- for *Spodoptera littoralis*, fruit and tuber extracts as 2670
- insect control using 2258

phalaenarum, *Telenomus*

- Phalaris arundinacea*, *Oscinella frit* on, in Virginia 5326

Phalera bucephala

- biology of 5677
- control of, insecticides for 5677
- descriptions of 5677
- food-plants of 6734
- in East Germany 6734
- in Italy 919
- in USSR 5677
- on *Betula* damage caused by 5677
- in USSR 5677
- on cherry damage caused by 6734
- in East Germany 6734
- on hazel damage caused by 6734
- in East Germany 6734
- on *Quercus suber*, in Italy 919
- population dynamics of 919

phalerata, *Mylabris*

phaleratus, *Aegorhinus*

Phaleriini

- defensive behaviour in 2403
- defensive secretion in 2403

Phaltan (see Folpet)

Phaneropteridae, preying on, *Cydia*

- pomonella*, in France 6732

Phanerotoma fasciata

- in USA 911
- parasitising, *Cydia anaranjada*, in USA 911

Phanerotoma flavitestacea

- Bacillus thuringiensis* in effects of 2196
- pathogenicity of 631
- bentonite in, toxicity of 631
- feeding behaviour in 2423
- feeding in 789
- in France 3857
- parasitising

- Ectomyelois ceratoniae*, and biological control using, in France 1404

- Ephestia kuehniella* 789, 1231, 1404, 2196, 2423
- in France 3857

- rearing of, apparatus for 1231

- Phanomeris dimidiata*, parasitising, *Fenusa pusilla*, and biological control using, in Canada 1883

Phanuropsis semiflaviventris

- attacking behaviour in 4111
- in Colombia 4111
- oviposition in 4111
- parasitising, *Antiteuchus tripterus*, in Colombia 4111

Phaonia trimaculata

- in Poland 1443, 4782
- on cabbage, in Poland 1443
- preying on, *Hylemya brassicae*, in Poland 4782

pharaonis, *Monomorium*

pharaxalis, *Bocchoropsis*

Pharetra rumicis (see *Acronicta*)

Pharoscyrnus horni

- biology of 1274
- in India 1274
- morphology of 1274
- preying on, *Melanaspis glomerata*, in Maharashtra 1274

Pharoscyrnus simmondsi

- descriptions of 1280
- in Pakistan 1280
- parasitised by, *Homalotylus* spp., in Pakistan 1280
- prey of 1280
- preying on
- Aonidiella orientalis*, in Pakistan 1280
- Parlatoria blanchardii*, in Pakistan 1280

Pharoscyrnus tetrastictus

- in Nigeria 3635
- preying on
- Insulaspis gloverii*, in Nigeria 3635
- Lepidosaphes beekii*, in Nigeria 3635
- Parlatoria pergandii*, in Nigeria 3635

Phaseolaceae, *Caryedes* spp. on, in Central America 1729

phaseoli, *Caliothrips*

phaseoli, *Lathronympha*

phaseoli, *Matsumuraes*

phaseoli, *Ophiomyia*

- (*Agromyza*)
- (*Melanagromyza*)

phaseoli, Opus**Phaseolus**

- Acanthoscelides obtectus* on, oviposition by 23
- Agrius convolvuli* on, in Karnataka 1882
- Aphis craccivora* on, in New South Wales 1451
- A. gossypii* on, in New South Wales 1451
- bean golden mosaic virus in, in Brazil 154
- bean yellow mosaic virus in
in Brazil 154
in New South Wales 1451
- Bemisia tabaci* on, in Brazil 154
- Delia platura* on, damage caused by 4195
- demephion in
metabolism of 1682
residues of 1682
- Estigmene acraea* on, in Colombia 3540
- Eutetranychus orientalis* on, in Egypt 3662
- groundnut stunt virus in 3120
- Hedylepta indicata* on, in Brazil 3675
- Heliothis* spp. on, in Colombia 3540
- H. armigera* on, in South Africa 5962
- H. zea* on, development of 4184
- Hylemya platura* on, in Poland 360
- Hypera brunneipennis* on, in California 3604
- leptophos in, residues of 1658
- Loxostege* spp. on, in North America 7032
- Macrosiphum euphorbiae* on, in New South Wales 1451
- menazon in
metabolism of 1682
residues of 1682
- Myzus persicae* on, in New South Wales 1451
- Pantomorus glaucus* on, in Brazil 4760
- pests of, in Egypt 3658
- subterranean clover stunt virus in, in New South Wales 1451
- Syngrapha circumflexa* on, in Egypt 4182
- Tetranychus cucurbitacearum* on, in Egypt 3662
- T. truncatus* on, in Taiwan 2909
- T. urticae* on
effects of fungicides on 983
in Egypt 6935
in Turkey 6602
in West Germany 1609
- Trialeurodes vaporariorum* on, in England 3937
- Urbanus dorantes* on, development of 4336
- U. proteus* on
development of 4336
in Colombia 3540

Phaseolus aconitifolius

- Aphis craccivora* on, feeding by 503
- Chauliops fallax* on, in Madhya Pradesh 1453
- Phaseolus angularis, Callosobruchus chinensis** on 1454
- Phaseolus angularis (stored seeds)**
Callosobruchus analis in, development of 4136
- C. chinensis* in 4440, 7639
- phosphine in, adsorption of 2167
- Phaseolus aureus** (see also *P. mungo*, *Vigna mungo*, and *V. radiata*)
- Aphis craccivora* on
feeding by 503
in Philippines 859
- Chauliops fallax* on, in Madhya Pradesh 1453
- Etiella zinckenella* on, in Philippines 859
- green gram mosaic virus in, in Tamil Nadu 860
- Mocis undata* on, in Philippines 859
- mung bean yellow mosaic virus in, infectivity of 4952
- Ophiomyia phaseoli* on, in Philippines 859
- pests of, in Malaysia 861
- Plusia chalcites* on, in Philippines 859
- Spodoptera litura* on, in Philippines 859
- Tetranychus neocaledonicus* on
assessing infestations of 5387
in Punjab 5387
- T. urticae* on, in Philippines 859
- Phaseolus aureus (stored seeds)**
Callosobruchus analis in 1571
- C. chinensis* in 1565
- C. maculatus* in
development of 4448
oviposition by 3781
insects associated with, in Maharashtra 1549
- Phaseolus lathyroides, Vigna hosei** mosaic virus in, infectivity of 1327
- Phaseolus limensis, Mocis** spp. on, unable to develop 4283
- Phaseolus lunatus**
Aphis craccivora on, feeding by 503
- Delia platura* on, in New York 4557
- Hylemya platura* on
in New York 3457
oviposition by 3457
- Lygus hesperus* on, in California 1452
- mosaic virus in, in Nigeria 3663
- Sagra nigrita* on, in Karnataka 3657
- Phaseolus lunatus flour**, as sunlight protectant for *Spodoptera litura* nuclear polyhedrosis virus 2245
- Phaseolus multiflorus**, arthropod pests of, in UK 545
- Phaseolus mungo** (see also *P. aureus*, *Vigna mungo*, and *V. radiata*)
- Achaea janata* on, in Karnataka 6772

Phaseolus mungo *contd.*

- Aphis craccivora* on, feeding by 503
Chauliops fallax on, in Madhya Pradesh 1453
Empoasca kerri on, in India 6770
 endosulfan in, residues of 6975-6976
Exelastis atomosa on, in India 6770
 green gram mosaic virus in, infectivity of 860
Heliothis armigera on, in India 6770
Madurasia obscurella on, in India 6770
 mung bean yellow mosaic virus in, infectivity of 4952
 okra mosaic virus in, infectivity of 6145
Ophiomyia phaseoli on, in India 6770
 phorate in, residues of 6975
Rhizobium spp. in 5812
 soy-bean stunt virus in, infectivity of 6876
Spodoptera littoralis on, development of 5856
- Phaseolus mungo** (stored seeds)
Alphitobius diaperinus in 6314
Callosobruchus maculatus in, oviposition by 3781
- Phaseolus radiatus** (see *P. mungo*)
- Phaseolus** (stored seeds), *Acanthoscelides obtectus* in, in Bulgaria 453
- Phaseolus virus 1** (see Bean common mosaic virus)
- Phaseolus virus 2** (see Bean yellow mosaic virus)
- Phaseolus vulgaris**
 aphids on, in Austria 7351
Aphis craccivora on, feeding by 503
 bean common mosaic virus in
 in Austria 7351
 in Uttar Pradesh 6878
 bean vein-banding mosaic virus in
 aphid transmission of 2187
 in Puerto Rico 2187
 symptoms of 2187
 bean yellow mosaic virus in
 in Austria 7351
 in Chile 7480
 carbaryl in, residues of 7661
Cerotoma fascialis on, in Colombia 5983
Chauliops fallax on, in Himachal Pradesh 7348
 chlorfenvinphos in, toxicity of 5604
 cowpea aphid-borne mosaic virus in, symptoms of 7352
 cucumber mosaic virus in, infectivity of 5069
Delia spp. on, in England 5604
D. platura on
 in Austria 7351
 in England 6153
 in Netherlands 6773
 in New York 4557
 in Poland 6769

Phaseolus vulgaris *contd.*

- Diabrotica balteata* on, in Colombia 5983
 dimethoate in, effects of 6404
Empoasca fabae on, in Puerto Rico 2927
Epilachna varivestis on 2286
 in Maryland 3672
Gargaphia sanchezi on
 damage caused by 4940
 in Colombia 4940
 green gram mosaic virus in, infectivity of 860
Hylemya platura on
 in Belgium 2653
 in England 3951
 in New York 3457
 oviposition by 3457
Lygus hesperus on, development of 6566
L. lineolaris on, damage caused by 4938
Lytta dimidiata on, in Brazil 4937
 malathion in, residues of 7661
 methyl-demeton in, effects of 6404
 monocrotophos in, residues of 7661
 mung bean yellow mosaic virus in, infectivity of 4952
Nezara viridula on 3449
Ophiomyia phaseoli on
 in Hawaii 6156
 in Indonesia 729
 origins of 6768
Sitona lividipes on, development of 1371
 soy bean mosaic virus in, symptoms of 864
 soy-bean stunt virus in, infectivity of 6876
 Tetranychidae on, in Austria 7351
Tetranychus cinnabarinus on 3487
T. truncatus on 6417
T. urticae on
 effects of plant nutrition on 7572
 rearing of 5465
Vigna hosei mosaic virus in, infectivity of 1327
 virus diseases of, in Israel 6324
- Phaseolus vulgaris** flour, diet component for, *Elasmopalpus lignosellus* 2562
- Phaseolus vulgaris** meal, diet component for, *Aegeria pictipes* 1845
- Phaseolus vulgaris** (stored seeds)
 damage to, effects on crop production of 7346
 diet component for
 Diatraea saccharalis 237
 Prionoxystus robiniae 3500
 Spodoptera litura 1239
- Phasia crassipennis** (see *Ectophasia*)
- Phasia subcoleoptrata**
 in USSR 6353, 6636
 parasitising
 Eurygaster integriceps 5308
 in Kabardino-Balkaria 6353
 in USSR 6636

Phasianus colchicus

carbamates in, esterase inhibition by 6405

DDT in

effects on egg laying of 1700

toxicity of 1700

preying on

Leptinotarsa decemlineata, in Poland 4350-4351

Mamestra brassicae, in Japan 873

Phasiinae

feeding in 6628

parasitising, *Eurygaster integriceps*, in Caucasus 4809

Phasmida, in Turkey 4141

Phaspis, gen. n., description of 558

Phaspis lobulata

sp. n., description of 558

in South Africa 558

on *Acacia nigrescens*, in South Africa 558

Phassus excrescens, on chestnut, damage caused by 5690

PHC (see Propoxur)

Pheasant (see also *Phasianus colchicus*)

carbamates in, esterase inhibition by 6405

pesticides in, toxicity of 2293

preying on, *Leptinotarsa decemlineata*, in Poland 4350-4351

Pheidole

control of, baits for 2696

preying on

Cnaphalocrocis medinalis, in Kerala 4793

Cydia pomonella 4793

Oncopera intricata 4793

Sesamia inferens 4793

Theraptus spp. 4793

Pheidole anthracina

in Australia 6193

on tobacco, in Queensland 6193

Pheidole floridana

in USA 5432

taxonomy of, characters distinguishing *P. moerens* and 5432

Pheidole megacephala

in Ghana 400

in Papua New Guinea 1490

on cacao

in Ghana 400

in Papua New Guinea 1490

Phytophthora palmivora in, transmission of 400

population dynamics of 6197

preying on, *Coelaenomenodera elaeidis*, in West Africa 1166

Pheidole megacephala atrox

aldrin in, toxicity of 260

in Tanzania 260

preying on, *Eldana saccharina*, in Tanzania 260

Pheidole moerens

in Culebra 5432

in Puerto Rico 5432

in USA 5432

taxonomy of, characters distinguishing *P. floridana* and 5432

Pheidologeton diversus

associated with, *Dysmicoccus brevipes*, in Taiwan 3645

control of, baits for 3645

in Taiwan 3645

Phellandrene, *Papilio demoleus* responses to 1766

α -**Phellandrene** (see 1,3-Cyclohexadiene, 2-methyl-5-(1-methylethyl)-, (-)-)

Phenacaspis eugeniae, parasitised by, *Arrhenophagus albitibiae*, in Hong Kong 3362

Phenacaspis pinifoliae

in Canada 1513

on *Pinus mugo*, in Quebec 1513

on *Pinus sylvestris*, in Quebec 1513

parasitised by

Aphytis mytilaspidis, in Quebec 1513

Marietta pulchella, in Quebec 1513

Phycus varicornis, in Quebec 1513

preyed on by, *Chilocorus orbus* 767

Phenacoccus, in South Africa 563

Phenacoccus gossypii

in Peru 701

on cotton, in Peru 701

Phenacoccus hargreavesi, population dynamics of 6197

Phenacoccus solani

control of, growth regulators for 410

in USA 410

on *Ardisia crispa*, in Florida 410

on *Gynura sarmientosa*, in Florida 410

phenax*, *Pemphigus

Phendal (see Phenthoate)

Phenkapton (S[[[(2,5-dichlorophenyl)thio]methyl] O,Q-diethyl phosphorodithioate) against, *Acarapis woodi* 2702

in apple orchards, effects on mites of 2011

Phenobarbital (5-ethyl-5-phenyl-

2,4,6(1H,3H,5H)-pyrimidinetrione)

in *Megachile pacifica*, effects of 1662

in *Musca domestica*, enzyme induction by 1655

Phenol

attractant for

Costelytra zealandica 541, 1369

Cyclocephala insulicola 4825

Lachnosterna patrueloides 4826

Costelytra zealandica antennal responses to 1370

in *Spodoptera littoralis*, effects on egg production of 3267

- Phenol, 4-amino-3,5-dimethyl-methylcarbamate (ester)**
against
 Anthrenus flavipes, in textiles 3084
 Tineola bisselliella, in textiles 3084
- Phenol, 2-bromo-**, repellent for, *Costelytra zealandica* 1369
- Phenol, 3-bromo-**, repellent for, *Costelytra zealandica* 1369
- Phenol, 4-bromo-**, repellent for, *Costelytra zealandica* 1369
- Phenol, 4-bromo-2,5-dichloro-**
in grapevine, leptophos metabolite 1685
in plants, leptophos metabolite 1658
in tomato, leptophos metabolite 1685
in wheat grain, bromophos metabolite 6285
- Phenol, 2-chloro-**, repellent for, *Costelytra zealandica* 1369
- Phenol, 4-chloro-**, repellent for, *Costelytra zealandica* 1369
- Phenol, 2-chloro-3-[2,2-dichloro-1-(4-chlorophenyl)ethenyl]-**, in fowl, metabolite of *o,p'*-DDT 6400
- Phenol, 3-chloro-4-[2,2-dichloro-1-(4-chlorophenyl)ethenyl]-**, in fowl, metabolite of *o,p'*-DDT 6400
- Phenol, 3-chloro-4-[2,2-dichloro-1-(4-chlorophenyl)ethenyl]-2-methoxy-**, in fowl, metabolite of *o,p'*-DDT 6400
- Phenol, 2-chloro-3-[2,2-dichloro-1-(4-chlorophenyl)ethenyl]-**, in fowl, metabolite of *o,p'*-DDT 6400
- Phenol, 3-chloro-4-[2,2-dichloro-1-(4-chlorophenyl)ethenyl]-**, in fowl, metabolite of *o,p'*-DDT 6400
- Phenol, 3-chloro-4-[2,2-dichloro-1-(4-chlorophenyl)ethyl]-2-methoxy-**, in fowl, metabolite of *o,p'*-DDT 6400
- Phenol, 3-chloro-2-methoxy-4-[2,2,2-trichloro-1-(4-chlorophenyl)ethyl]-**, in fowl, metabolite of *o,p'*-DDT 6400
- Phenol, 2-chloro-3-[2,2,2-trichloro-1-(4-chlorophenyl)ethyl]-**, in fowl, metabolite of *o,p'*-DDT 6400
- Phenol, 2,4-dichloro-**, repellent for, *Costelytra zealandica* 1369
- Phenol, 2,5-dichloro-**, in *Romalea microptera* defensive secretion, not synthesised 5868
- Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-**, (B)-, in cattle, effects on insecticide residues of 3295
- Phenol, 3,4-dimethyl-methylcarbamate**
against, *Laodelphax striatella*, on rice 835
separation of other carabamates and 124
- Phenol, 3,5-dimethyl-methylcarbamate**
in model aquatic ecosystem, metabolism and distribution of 4580
in model ecosystem, fate of 5785
separation of other carabamates and 124
- Phenol, 4-(dimethylamino)-3,5-dimethyl-methylcarbamate (ester)** (see Mexacarbate)
- Phenol, 4-(dimethylamino)-3-methyl-methylcarbamate (ester)** (see Aminocarb)
- Phenol, 2-(4,5-dimethyl-1,3-dioxolan-2-yl)-methylcarbamate**
against
 Agriotes spp. 2281
 Hylemya antiqua, on onion 2652
 Melolontha melolontha 2281
- Phenol, 3,5-dimethyl-4-(methylsulfinyl)-trifluoroacetylation of** 6947
methylcarbamate, trifluoroacetylation of 6947
- Phenol, 3,5-dimethyl-4-(methylsulfonyl)-trifluoroacetylation of** 6947
methylcarbamate, trifluoroacetylation of 6947
- Phenol, 3,5-dimethyl-4-(methylthio)-trifluoroacetylation of** 6947
methylcarbamate (see Methiocarb)
- Phenol, dinitro-**, in pea, effects on γ -BHC uptake of 5776
- Phenol, 2,4-dinitro-**, in *Spodoptera littoralis*, effects on egg production of 3267
- Phenol, 2-(1,3-dioxolan-2-yl)-methylcarbamate** (see Dioxacarb)
- Phenol, 4-(di-2-propenylamino)-3,5-dimethyl-methylcarbamate (ester)** (see Allyxycarb)
- Phenol, 4-[1-(4-ethoxyphenyl)-2-nitropropyl]-**, in *Musca domestica*, ENP metabolite 7089
- Phenol, 2-ethyl-**, *Costelytra zealandica* antennal responses to 1370
- Phenol, 3-ethyl-**, *Costelytra zealandica* antennal responses to 1370
- Phenol, 4-ethyl-**, *Costelytra zealandica* antennal responses to 1370
- Phenol, 3-(1-ethylpropyl)-methylcarbamate**, with 3-(1-methylbutyl)phenyl methylcarbamate (see Metalkamate)
- Phenol, 2-[(ethylsulfinyl)methyl]-**
in rat, ethiofencarb metabolite 6973
methylcarbamate
 in mouse, toxicity of 6973
 in rat, ethiofencarb metabolite 6973
- Phenol, 2-[(ethylsulfonyl)methyl]-**
in rat, ethiofencarb metabolite 6973
methylcarbamate
 in mouse, toxicity of 6973
 in rat, ethiofencarb metabolite 6973
- Phenol, 2-[(ethylthio)methyl]-methylcarbamate** (see Ethiofencarb)

- Phenol, 2-iodo-**, repellent for, *Costelytra zealandica* 1369
- Phenol, 2-methoxy-4-(2-propenyl)-** (see Eugenol)
- Phenol, 2-methyl-**
Costelytra zealandica antennal responses to 1370
repellent for, *Costelytra zealandica* 1369
- Phenol, 3-methyl-**
Costelytra zealandica antennal responses to 1370
repellent for, *Costelytra zealandica* 1369
- Phenol, 4-methyl-**
Costelytra zealandica antennal responses to 1370
repellent for, *Costelytra zealandica* 1369
- Phenol, 3-(1-methylbutyl)-**,
methylcarbamate, with 3-(1-ethylpropyl)phenyl methylcarbamate (see Metakamate)
- Phenol, 2-methyl-4,6-dinitro-** (see DNOC)
- Phenol, 2-(1-methylethoxy)-**,
methylcarbamate (see Propoxur)
- Phenol, 2-(1-methylethyl)-**
Costelytra zealandica antennal responses to 1370
methylcarbamate (see Isoproc carb)
- Phenol, 3-methyl-5-(1-methylethyl)-**
mutagenicity of 7679
methylcarbamate (see Promecarb)
- Phenol, 5-methyl-2-[(methylthio)methyl]-**,
methylcarbamate, against, *Aphis fabae* 5193
- Phenol, 3-methyl-4-nitro-**, in rat, effects of 3911–3912
- Phenol, 2-(1-methylpropyl)-**
methylcarbamate
against
Laodelphax striatella, on rice 835
Nilaparvata lugens, on rice 4273
Sogatella furcifera, on rice 4273
in *Nephotettix cincticeps*, effects on probing frequency of 4271
with malathion, against, *Nephotettix cincticeps* 1656
- Phenol, 2-(1-methylpropyl)-4,6-dinitro-** (see Dinoseb)
- Phenol, 2-[(methylthio)methyl]-**,
methylcarbamate, against, *Aphis fabae* 5193
- Phenol, 4-nitro-**
in soil, parathion product 5777
in spinach, parathion metabolite 1052
in *Spodoptera littoralis*, effects on egg production of 3267
- Phenol, 4,4'-(2-nitropropylidene)bis-**, in *Musca domestica*, ENP metabolite 7089
- Phenol, pentachloro-**
against, termites, in wood 4719
in lettuce, γ -BHC metabolite 6422
repellent for, *Costelytra zealandica* 1369
- Phenol, pentachloro-** contd.
with γ -BHC, against, *Scolytus multistriatus*, on *Ulmus* 2121
- Phenol, 2,3,4,6-tetrachloro-**, in lettuce, γ -BHC metabolite 6422
- Phenol, 2,3,5-trimethyl-**
methylcarbamate
with 3,4,5-trimethylphenyl methylcarbamate
against, *Hylobius pales* 1664
in *Megachile pacifica*, toxicity of 1662
- Phenol, 3,4,5-trimethyl-**
methylcarbamate
with 2,3,5-trimethylphenyl methylcarbamate
against, *Hylobius pales* 1664
in *Megachile pacifica*, toxicity of 1662
- Phenolase** (see Oxygenase, monophenol mono-)
- Phenolic resins**
Aphodius tasmaniae not attracted to 4584
attractant for, *Costelytra zealandica* 541
- Phenolphthalein** (see 1(3H)-Isobenzofuranone, 3,3-bis(4-hydroxyphenyl)-)
- Phenols**
in air of insect-rearing laboratories 4724
in *Anthonomus grandis* 72
in cabbage, effects of *Eurydema rugosum* on 1442
in *Calliphora vomitoria* cuticle 1750
in *Cydia pomonella* cuticle 1750
in eggplant, effects of insecticides on 6180
in *Eristalis tenax* cuticle 1750
in *Iridomyrmex humilis* 68
in lucerne, role in resistance to *Therioaphis trifolii* of 1985
in *Picea abies*, relation of resistance to *Adelges abietis* and 7440
in *Pinus pinaster*, stimulating feeding by *Pissodes notatus* 5678
in rat, toxicity of 3306
in *Schistocerca americana* cuticle 1750
in seal, toxicity of 3306
in sesame, effects of *Asphondylia sesami* on 2979
in *Stegobium paniceum* diet, requirement for 6227
in sugar-beet, effects of *Lygus disponi* on 2954
in *Uria aalge*, toxicity of 3306
in wheat, arresting *Delia coarctata* 6462
- Phenothrin** (see Chrysanthemic acid, (3-phenoxyphenyl)methyl ester)
- 3H-Phenoxazine-1,9-dicarboxylic acid, 2-amino-3-oxo-**, in *Drosophila melanogaster*, conversion of 3-hydroxyanthranilic acid to 6467

Phenthoate (ethyl α -[(dimethoxyphosphinot-hioyl)thio]benzeneacetate)
against

Aonidiella aurantii, on *Citrus* 335
Aphis craccivora, on groundnut 1459
bollworms, on cotton 7391
Bruchophagus roddi, on lucerne 6084
Bucculatrix thurberiella, on cotton 2988

Ceroplastes floridensis, on *Citrus* 335
Chrysomphalus aonidum, on *Citrus* 335

Cicadellidae, on cotton 7391
Cnaphalocrocis medinalis 3290–3291

Coccus viridis, on coffee 6799–6800

Cryphalus fulvus, on *Pinus* 1519

Diatraea saccharalis, on rice 709

Dysdercus fasciatus 389

Elasmopalpus lignosellus, on maize 706

Eupterote canaraica, on coffee 3019

Galleria mellonella 517

in beehives 2260

Lasioderma serricorne 1547

Lepidosaphes beckii, on *Citrus* 335

Mamestra brassicae, on sugar-beet 4960

Scirtothrips aurantii, on *Citrus* 5955

formulations of, viscosity of 2247

in *Apanteles plutellae*, toxicity of 3651

in honey bees, toxicity of 517

in maize, toxicity of 706

in *Nomuraea rileyi*, toxicity of 3823

in rice-fields, non-target effects of 710

in stored maize, persistence of 1672

insecticidal activity of 1956

properties of 1956

use of, in ULV sprays 2247

with oil emulsion

against

Aonidiella aurantii, on *Citrus* 335

Ceroplastes floridensis, on *Citrus*

335

Chrysomphalus aonidum, on *Citrus* 335

Lepidosaphes beckii, on *Citrus* 335

with parathion, against, *Bucculatrix*

thurberiella, on cotton 2988

with propoxur, against, *Nephotettix*
cincticeps 1656

D-Phenylalanine

in *Argyrotaenia velutinana*, nutritional
value of 1756

in *Heliothis zea*, nutritional value of
1756

in *Phormia regina*, nutritional value of
1756

L-Phenylalanine

Acyrtosiphon pisum feeding responses to
3405

in *Diprion similis*, conversion of tyrosine
to 7069

L-Phenylalanine contd.

in *Dysdercus similis* diet, requirement for
7069

in *Macrosiphum euphorbiae* 3423

in *Mamestra configurata*, synthesis of
pheromone from 4071

in *Oryzaephilus surinamensis* 4680

in *Phryxe caudata* larvae 6463

in sugar-beet, *Lygus disponi* causing
increased level of 868

in *Vitea vitifoliae* 2859

in wheat, effects of insecticides on 274

Pherbina intermedia

in Japan 3846

in rice-fields, in Japan 3846

parasitised by, *Trichogramma* spp., in
Japan 3846

Pheromones

in air, collection of 4631

insect control using 440, 1631

Phialophora aurantiaca, in, timber, effects
on termites of 7210

Philaenus leucophthalmus (see *P.*
spumarius)

Philaenus spumarius

colour polymorphism in 5250

in Poland 5590

in UK 5250

in USA 3499

in grassland, in England 5250
on lucerne

in Michigan 3499

resistance to 2835

parasitised by, *Verrallia aucta*, in England
5250

predators of, in England 5250

Philanthus diadema (see *P. triangulus*
diadema)

Philanthus triangulus diadema

in South Africa 5954

pest of honeybee, in South Africa 5954

philippina, Hydrellia

Philippine tomato leaf curl virus, in, *Bemisia*
tabaci, transmission of 883

Philippines

aphid sexuales in 711

Aphis craccivora in, on *Phaseolus aureus*
859

Chilo suppressalis in, on rice 3598

Chrysopa spp. in 4174

crops in, arthropods associated with
3172

Dacus cucurbitae in, on mango 4174

D. dorsalis in, on mango 4174

D. umbrosus in 4174

Diaphorina citri in

on *Citrus* 6747

on *Citrus mitis* 1078

Etiella zinckenella in, on *Phaseolus aureus*
859

Hydrellia philippina in, on rice 3598

Philippines contd.

- Mocis undata* in, on *Phaseolus aureus* 859
- Nephotettix cincticeps* in, on rice 3598
- Nilaparvata lugens* in, on rice 3598
- Ophiomyia phaseoli* in, on *Phaseolus aureus* 859
- Pauropsylla nigra* in, on mango 1077
- Plusia chalcites* in, on *Phaseolus aureus* 859
- Protopulvinaria mangiferae* in, on mango 7005
- Pseudococcus citriculus* in, natural enemies of 15, 1088
- Psyllidae in 1077–1078
- rice in
- insect pests of 5514
- pests of 1953
- rice stalk-borers in, natural enemies of 3595
- rice stem-borers in 1958
- Sesamia inferens* in 5268
- Sitophilus oryzae* in 1025
- Spodoptera litura* in, on *Phaseolus aureus* 859
- sterile-insect release in 5126
- Tetranychidae in 5371
- Tetranychus urticae* in, on *Phaseolus aureus* 859
- Tribolium castaneum* in 1025
- Philodromus**, on *Picea abies*, in Norway 431
- Philohela minor**
- mercury in, residues of 3323
- organochlorine insecticides in, residues of 3323
- Philonthus**, in pine forests, in Ukraine 6220
- Philosamia cynthia** (see *Samia*)
- Philosamia ricini** (see *Samia cynthia ricini*)
- Philotrypesis anguliceps**
- descriptions of 4603
- in India 4603
- parasitising, *Blastophaga quadriceps*, in Kerala 4603
- Phlegethontius sexta** (see *Manduca*)
- Phleinae**, in phytophagous Hemiptera 2396
- Phlepsius**, taxonomy of 3979
- Phleum**, *Gastrophysa atrocyanea* on 2753
- Phleum pratense**
- Amaurosoma* spp. on
- damage caused by 2823
- in Finland 2823
- A. armillatum* on
- damage caused by 4876
- in East Germany 297
- in Poland 4876
- A. flavipes* on
- damage caused by 4876
- in East Germany 297
- in Poland 4876

Phleum pratense contd.

- Diuraphis muehlei* on
- damage caused by 4877
- in Poland 4877
- Melolontha melolontha* on, development of 1759
- Phleum pratense** (stored seeds), mites in, in USSR 6322
- phloeocoptes, Aceria**
- (*Acalitus*)
- Phloeosinus canadensis**, parasitised by, *Pyemotes dimorphus* 2478
- Phloeosinus dentatus**
- attack pattern of 3037
- on *Juniperus virginiana* 3037
- parasitised by
- Heydenia unica* 3037
- Spathius impus* 3037
- preyed on by, Cleridae 3037
- traps for 3037
- Phloeosinus kesiya**
- sp. nov., description of 7029
- in Thailand 7029
- on *Pinus kesiya*, in Thailand 7029
- Phloeosinus nanus**
- sp. nov., description of 7029
- in Thailand 7029
- Phloeothripidae**, in Crimea 1
- Phloeotrya**, in Japan 7021
- Phlogophora meticulosa**
- control of, *Bacillus thuringiensis* for 3938
- in UK 3938
- on chrysanthemum, in England 3938
- Phlomis**, *Brevipalpus obovatus* on, in Bulgaria 3725
- Phobocampe crassiuscula**
- biology of 3030
- in West Germany 912, 3030
- parasites of, in West Germany 912
- parasitising, *Orgyia antiqua*, in West Germany 912, 3030
- Phobocampe disparis**
- in USA 4214
- parasitising
- Lymantria dispar*
- in Europe 3168
- in Massachusetts 4214
- Phoca vitulina**
- DDT in, residues of 3322
- polychlorinated biphenyls in, residues of 3322
- phoenicis, Brevipalpus**
- Phoenix**, *Brevipalpus phoenicis* on, in Netherlands 6805
- Phoenix dactylifera** (see Date palm)
- Phomopsis**, in, *Ribes* spp., in France 6712
- Phonotonus grandis**
- descriptions of 82
- in Angola 82
- preying on
- Dysdercus fasciatus* 82

Phonoctonus grandis *contd.*preying on *contd.**Probergrothius angolensis* 82

Pyrrhocoridae, in Angola 82

Phoracantha recurva

control of, crop management for 5948

food-plants of 5948

in South Africa 5948

natural enemies of, in South Africa 5948

on *Eucalyptus*

damage caused by 5948

in South Africa 5948

taxonomy of, characters distinguishing *P.**semipunctata* and 5948**Phoracantha semipunctata**

control of, crop management for 5948

food-plants of 5948

in Italy 4394

in South Africa 5948

natural enemies of, in South Africa 5948

on *Eucalyptus*

damage caused by 5948

in Sicily 4394

in South Africa 5948

taxonomy of, characters distinguishing *P.**recurva* and 5948**Phorate** (*O,O*-diethyl *S*[(ethylthio)methyl]

phosphorodithioate)

against

Acyrtosiphon pisum 2262*Adrastus* spp., on maize 4262*Agriotes* spp., on maize 4262*Alcidodes affaber*, on cotton 3708*Amrasca devastans*, on okra 854*Aphis* spp., on *Vigna unguiculata*
2053*A. craccivora*, on *Phaseolus aureus*
859*A. fabae*

on sugar-beet 1464

on *Vicia faba* 5600*A. gossypii*

on cotton 4361

on okra 854

Archiboreoiulus pallidus, on sugar-beet
2660*Atherigona approximata*, on *Pennisetum*
typhoides 4830*A. soccata*, on sorghum 836-837,
4869, 4871, 5520, 6067, 6071-6072*Bagrada hilaris*, on mustard 858*Blaniulus guttulatus*, on sugar-beet
2660*Boreoiulus tenuis*, on sugar-beet 2660*Bothynoderes punctiventris*, on beet
7365*Brevicoryne brassicae*, on *Brassica*
campestris 7336*Busseola fusca*, on maize 5507*Caliothrips fasciatus*, on cotton 4361*Cavariella aegopodii*, on carrot 876*Cerotoma trifurcata*, on soy bean 4341**Phorate** *contd.*against *contd.*

Cicadellidae 6975

Dalbulus maidis, on maize 4261*Diabrotica longicornis* 6049*D. virgifera* 2292*Dysmicoccus cryptus*, on coffee 4988*Empoasca kerri* 6770*Enneothrips flavens*, on groundnut 368*Etiella zinckenella*, on *Phaseolus aureus*
859*Exelastis atomosa* 6770*Heliethis armigera* 6770*Hylemya antiqua*, on onion 2652*Hylobius pales* 1664*Hyperodes bonariensis*on *Lolium* 3186

on maize 3187

Inopus rubriceps 3193, 3195*Keiferia lycopersicella*, on tomato 882*Lachnosterna consanguinea*

on groundnut 7362

on pea 999

L. nilgiri, on coffee 2105*Leptinotarsa decemlineata*, on potato
1679*Leucoptera coffeella*, on coffee 7404*Lipaphis erysimi*, on mustard 858*Macrosiphum euphorbiae*, on potato
5625*Madurasia obscurella* 6770*Mocis undata*, on *Phaseolus aureus*
859*Myzus humuli*, on hop 4820*M. persicae*

on cabbage 2282

on tobacco 397

on *Vigna unguiculata* 2053*Nilaparvata lugens*, on rice 1964, 4851*Ophiomyia phaseoli* 6770on *Phaseolus aureus* 859*Oscinella frit*, on maize 3936*Pegomya mixta*, on beet 4963*Pentalonia nigronervosa*, on banana
344

pests of beet 2947

pests of maize 7603

pests of pea 6775

pests of potato 1679

pests of rice 1953

pests of soy bean 6778

Phytobia cepae, on onion 379*Phytomyza horticola*, on mustard 354*Plusia chalcites*, on *Phaseolus aureus*
859*Plutella xylostella*, on cabbage 1440*Psilidium maxillosum*, on beet 7365*Psila rosae*, on carrot 499, 2957, 3946*Rhopalosiphum maidis*, on maize
4267, 6049*Rhyacionia frustrana*, on *Pinus* 4413

Phorate contd.

against contd.

- Schizaphis graminum*
on maize 4267
on sorghum 3202
- Sphenophorus callosus*, on maize 4264
- Spissistilus festinus*, on soy bean 4341
- Spodoptera littoralis* 2288
- S. litura*, on *Phaseolus aureus* 859
- Sundapteryx biguttula*, on eggplant 1477
- Tetranychus* spp., on cotton 4361
- T. urticae*
on hop 4820
on *Phaseolus aureus* 859
- thrips 6975
- Thrips tabaci*, on onion 380
- Tribolium castaneum* 5046, 6923
- Tryporyza nivella*, on sugar-cane 267
- determination of 1210
- in barley, metabolism of 3920
- in bean, metabolism of 3920
- in beet, effects on germination of 4963
- in cabbage, residues of 5817
- in *Cajanus cajan*, residues of 6975
- in carrot, residues of 2957
- in *Coccinella septempunctata*, toxicity of 2282
- in coffee, improving coldhardiness 7404
- in cotton
effects on germination of 892
effects on yield and fibre quality of 7392
- in eggplant, residues of 4330
- in *Folsomia candida*, toxicity of 3304
- in *Harpalus rufipes*, toxicity of 802
- in *Hypogastrura armata*, toxicity of 3304
- in maize
effects of granule placement on uptake of 3936
effects on germination of 5507
metabolism of 1015, 3920
persistence of 7603
- in okra, effects on insect susceptibility of 2037
- in *Onychiurus folsomi*, toxicity of 3304
- in *Phaseolus mungo*, residues of 6975
- in potato, determination of 1824
- in *Pterostichus*, toxicity of 802
- in *Pterostichus melanarius*, toxicity of 1054
- in soil
degradation of 1015, 4581
residues of 2957, 5776
- in sorghum, metabolism of 3920
- in soy bean
metabolism of 3920
residues of 6778
- in *Spodoptera littoralis*, effects of soil moisture and temperature on susceptibility to 2288
- in *Stenolophus comma*, toxicity of 1054

Phorate contd.

- in sugar-beet, effects of 7600
- in tomato, metabolism of 3920
- in *Vicia faba*, effects of *Aphis fabae* on movement of 3935
- in *Vigna unguiculata*
effects on root nodulation of 7354
residues of 4330
- in wheat, metabolism of 3920
- metabolites of, determination of 1210
- with carbaryl, against, *Sundapteryx biguttula*, on eggplant 1477
- with endosulfan
against
Cicadellidae 6975
Sundapteryx biguttula, on eggplant 1477
- with fertilizers 5520
- with herbicides, compatibility of 3202
- with monocrotophos
against
pests of pea 6775
Sundapteryx biguttula, on eggplant 1477
- Phorate sulfone** (see Phosphorodithioic acid, *O,O*-diethyl *S*[(ethylsulfonyl)methyl] ester)
- Phorate sulfoxide** (see Phosphorodithioic acid, *O,O*-diethyl *S*[(ethylsulfinyl)methyl] ester)
- Phoratoxon sulfone** (see Phosphorothioic acid, *O,O*-diethyl *S*[(ethylsulfonyl)methyl] ester)
- Phoratoxon sulfoxide** (see Phosphorothioic acid, *O,O*-diethyl *S*[(ethylsulfinyl)methyl] ester)
- Phorbia anthracina* (see Pegohylemyia)
- Phorbia antiqua* (see Delia)
- Phorbia brassicae* (see Delia)
- Phorbia echinata* (see Delia)
- Phorbia gnava* (see Pegohylemyia)
- Phorbia latipennis* (see Acrostilpna)
- Phorbia platura* (see Delia)
- Phorbia securis* (see Hylemya)
- Phorbia seneciella* (see Pegohylemyia)
- Phoridiae**
in sugar-beet fields, effects of aphicides on 6165
parasitising, *Spodoptera frugiperda*, in Colombia 3540
- Phormia regina**
amino acids in, nutritional value of 1756
 α -keto acids in, nutritional value of 1756
Nosema spp. in, infectivity of 475
- Phorocera agilis* (see Parasetigena)
- Phorodon humuli* (see Myzus)
- Phosalone** (*S*[(6-chloro-2-oxo-3(2H)-benzoxazolyl)methyl] *O,O*-diethyl phosphorodithioate)
against
Acyrtosiphon pisum, on lucerne 4293
Aelia spp., on wheat 1940

Phosalone contd.

against contd.

- aphids, on apple 325
- Aphis fabae* 5193
- on *Vicia faba* 5600
- A. gossypii*, on cotton 5643
- A. pomi*, on apple 1418
- Brevicoryne brassicae*, on cabbage 7340
- Bruchophagus roddi*, on lucerne 6084
- Conotrachelus nenuphar*, on apple 7312
- Cydia molesta*, on peach 2022, 2887
- C. pomonella*, on apple 6104, 6110, 6727
- C. pyrivora*, on pear 6118
- Dysaphis devector*, on apple 6106
- Eupterote canarica*, on coffee 3019
- Eurygaster* spp., on wheat 1940
- Heliothis* spp., on cotton 4374
- H. armigera*, on cotton 6181
- Hypera brunneipennis*, on lucerne 4293
- Hyphantria cunea* 5980
- Keiferia lycopersicella*, on tomato 882
- Lobesia botrana*, on grapevine 5822
- Lygus pratensis*, on lucerne 840
- Macrosiphum avenae*, on wheat 1939
- Myzus humuli* 7613
- Panaphis juglandis*, on walnut 1413
- pests of apple 1417
- pests of lucerne 4294, 5530, 6082
- Planococcus citri*, on grape vine 313
- Pristiphora abietina*, on *Picea abies* 1525
- Quadraspidiotus perniciosus*, on apple 328
- Recurvaria nanella* 6099
- Rhopalosiphum padi*, on wheat 1939
- Rhyacionia frustrana*, on *Pinus radiata* 3040
- Schizaphis graminum*, on wheat 1939
- Selenothrips rubrocinctus*, on cacao 1491
- Tetranychus arabis*, on cotton 891
- T. cucurbitacearum*, on cotton 891
- T. neocaledonicus*, on eggplant 4920
- Thrips imaginis*, on apple 4312
- Zeiraphera diniana*, on *Picea abies* 1525
- in *Amblyseius fallacis*, toxicity of 3902
- in *Apis mellifera*, toxicity of 1043
- in apple, residues of 6110
- in bees, toxicity of 840
- in carp, toxicity of 3325
- in cucumber, toxicity of 4557
- in grapevine, residues of 2857
- in lucerne hay, residues of 5530, 6084
- in soil, residues of 2857, 5822
- in *Spodoptera littoralis*, effects of exposure time on susceptibility to 4550
- in *Stethorus*, toxicity of 7185

Phosalone contd.

- in *Typhlodromus pyri*, not toxic 3902
 - resistance to, in, *Amblyseius fallacis*, in Michigan 6025
 - with *Bacillus thuringiensis*
 - against
 - Adelphocoris lineolatus*, on lucerne 6081
 - Cydia funebrana*, on plum 5550
 - C. pomonella*, on apple 5550
 - with DDT, against, *Heliothis armigera*, on cotton 2558
 - with fenitrothion, against, *Stigmella malella*, on apple 6116
 - with Petkolin
 - against
 - Plutella xylostella*
 - on cauliflower 2038
 - on radish 2038
- Phosdrin** (see Mevinphos)
- Phosfolan** (diethyl 1,3-dithiolan-2-ylidenephosphoramidate)
- against
 - Aphis craccivora*, on *Phaseolus aureus* 859
 - Copitarsia turbata*, on *Vicia faba* 697
 - Etiella zinckenella*, on *Phaseolus aureus* 859
 - Liriomyza flaveola*, on *Vicia faba* 697
 - Melanagromyza virens*, on *Vicia faba* 697
 - Mocis undata*, on *Phaseolus aureus* 859
 - Ophiomyia phaseoli*
 - on *Phaseolus aureus* 859
 - on *Vicia faba* 1448
 - pests of cotton 4358
 - Phytobia cepae*, on onion 379
 - Plusia chalcites*, on *Phaseolus aureus* 859
 - Plutella xylostella*, on cabbage 1440
 - Spodoptera eridania*, on *Vicia faba* 697
 - S. littoralis* 1488, 4550, 5179–5180, 5182
 - on cotton, 2094, 3895, 4365
 - S. litura*, on *Phaseolus aureus* 859
 - Tetranychus cinnabarinus* 3274
 - T. urticae*, on *Phaseolus aureus* 859
 - Thrips tabaci*, on onion 380
 - formulations of 5180
 - with charcoal 3924
 - in bean, translocation of 6988
 - in cotton, translocation of 6186
 - in rat, enzyme inhibition by 3314
 - in soil, residues of 6988
 - in *Spodoptera littoralis*
 - effects of food-plant on susceptibility to 1024
 - effects of formulation on susceptibility to 7653
 - effects of gossypol on susceptibility to 1488

Phosfolan *contd.*

- in *Spodoptera littoralis* *contd.*
 - effects of temperature on susceptibility to 5179
 - effects of test method on susceptibility to 7653
 - excretion of 6396
 - resistance to, in, *Spodoptera littoralis*, in Turkey 5566

Phosgene (see Carbonic dichloride)**Phosmet** (*S*[(1,3-dihydro-1,3-dioxo-2*H*-isoindol-2-yl)methyl] *O*, *O*-dimethyl phosphorodithioate)

- against
 - Achaea janata*, on *Ricinus communis* 885
 - Aphis pomi*, on apple 1418
 - Conotrachelus nenuphar*, on apple 7312
 - Cydia pomonella*, on apple 6110
 - Dichocrocis punctiferalis*, on *Ricinus communis* 885
 - Dysaphis devector*, on apple 6106
 - Galleria mellonella* 517
 - Halotydeus destructor*, in pastures 4879
 - Hyllobius pales* 1664
 - Hypera brunneipennis*, on lucerne 4293
 - Leptinotarsa decemlineata*, on potato 374
 - Pieris brassicae* 2042
 - Psylla pyri*, on pear 7546
 - Rhyacionia frustrana*, on *Pinus radiata* 3040
 - Sminthurus viridis*, in pastures 4879
 - Spodoptera litura*, on *Ricinus communis* 885
 - Stigmella malella*, on apple 6116
 - Tetranychus urticae* 514, 1004
- in apple, residues of 6110
- in *Bathyplectes curculionis*, toxicity of 4883
- in fowl embryo, effects of 3326
- in honey bees, toxicity of 517
- resistance to, in, *Amblyseius fallacis*, in Michigan 6025
- with *Bacillus thuringiensis*
 - against
 - Cydia funebrana*, on plum 5550
 - C. pomonella*, on apple 5550
 - with chlordimeform, against, *Heliothis virescens* 6399
 - with endosulfan
 - against, *Galleria mellonella* 517
 - in honey bees, toxicity of 517
 - with silica, against, *Tetranychus urticae*, on *Vicia faba* 1004

Phosphaman (see BHC (γ -isomer), with dimethoate)**Phosphamide** (see Dimethoate)**Phosphamidon** (2-chloro-3-(diethylamino)-1-methyl-3-oxo-1-propenyl dimethyl phosphate)

- against
 - Aceria mangiferae*, on mango 7331
 - Aelia acuminata*, on grasses 6701
 - Amrasca devastans*, on eggplant 884
 - Aphanostigma iaksuiense* 2017
 - Aphis craccivora*, on groundnut 1459
 - A. fabae* 5193
 - on *Vicia faba* 3285
 - A. gossypii* 4934
 - on cotton 3707
 - on eggplant 884
 - A. pomi*, on apple 1418
 - Atherigona soccata*, on sorghum 837
 - Brevicoryne brassicae*, on cabbage 4921
 - Cephaloleia* spp., on oil palm 7289
 - Chilo infuscatellus*, on sugar-cane 6667
 - C. suppressalis*, on rice 7254
 - Cnaphalocrocis medinalis* 3291
 - on rice 827
 - Coccu viridis*, on coffee 2106
 - Cryptoblabes gnidiella*, on sorghum 6068
 - Diaphorina citri*, on orange 341
 - Drosicha mangiferae*, on mango 1436
 - Elasmopalpus lignosellus*, on soy bean 2054
 - Eucosma hapalosarca*, on *Populus* 3758
 - Eurytoma amygdali*, on almond 4897
 - Euschistus heros*, on soy bean 367
 - Heliothis armigera*, on sorghum 6069
 - Hemosepilachna vigintioctopunctata* 4552
 - Hyllobius pales* 1664
 - Leptopterna dolabrata*, on grasses 6701
 - Leucinodes orbonalis*, on eggplant 884
 - Lipaphis erysimi* 7190
 - on mustard 4545
 - Longitarsus nigripennis*, on *Piper nigrum* 1928
 - Myzus persicae*
 - on *Gerbera jamesonii* 1501
 - on tobacco 397
 - Nephotettix* spp., on rice 1951
 - N. virescens*, on rice 7265
 - Nezara viridula*, on soy bean 367
 - Nilaparvata lugens*, on rice 4851
 - Parlatoria oleae*, on olive 5587
 - Pectinophora gossypiella* 3905
 - pests of cotton 3008
 - Phthorimaea operculella*, on potato 4430, 7374
 - Piezodorus guildini*, on soy bean 367
 - Planococcus citri*, on grape vine 313
 - Pristiphora abietina*, on *Picea abies* 1525

Phosphamidon *contd.*against *contd.*

- Quadrastpidiotus perniciosus*, on apple 328
- Rastrococcus spinosus*, on mango 1035
- Rhynchophorus ferrugineus* 6089
- Rhyzopertha dominica* 6395
- Sundapteryx biguttula*, on eggplant 1477
- Taeniothrips simplex* 3027
- Tetranychus neocaledonicus*, on eggplant 2975
- T. urticae*, on *Gerbera jamesonii* 1501
- Tribolium castaneum* 1037, 5046, 6923
- Trioza erytrae*, on orange 340
- Zeiraphera diniana*
 - on *Larix* 5660
 - on *Picea abies* 1525
- in *Aedes aegypti*, bioassay for 5381
- in *Aphis gossypii*, effects of food-plant on susceptibility to 4934
- in *Apis mellifera*, toxicity of 1043
- in Chinese cabbage, pollen sterility caused by 7337
- in *Coccinella septempunctata*, toxicity of 3955, 7190
- in *Episyrphus balteatus*, toxicity of 3955
- in *Gerbera jamesonii*, toxicity of 1501
- in larch forests, non-target effects of 5660
- in *Leptocorisa acuta*, effects of 66
- in *Metasyrphus corollae*, toxicity of 3955
- in *Metasyrphus luniger*, toxicity of 3955
- in *Phygadeuon trichops*, effects on fecundity of 5209
- in rice swamps, non-target effects of 1044
- resistance to, in, *Amblyseius fallacis*, in Michigan 6025
- with *Bacillus thuringiensis*, against, *Adelphocoris lineolatus*, on lucerne 6081
- with oil emulsion, against, *Parlatoria oleae*, on olive 5587

Phosphatase, acid

- in *Acheta domesticus* hemolymph, effects of hemel on 4090
- in *Aphis fabae* 1745
- in *Apis mellifera* gut, detoxification of *Bacillus thuringiensis* exotoxin by 1595
- in cabbage, effects of *Eurydema rugosum* on 1442
- in *Callosobruchus analis*, activity pattern of 4041
- in *Dendroctonus pseudotsugae*, relation to flight-muscle degeneration of 32
- in *Galleria mellonella* gut, detoxification of *Bacillus thuringiensis* exotoxin by 1595

Phosphatase, acid *contd.*

- in *Gryllus assimilis* hemolymph, effects of dieldrin on 5433
- in *Musca domestica* gut, detoxification of *Bacillus thuringiensis* exotoxin by 1595
- in *Myzus persicae* 1745
- in sheep ejaculate, formothion increasing activity of 3305
- in sugar-beet, effects of *Lygus disponi* on 2954

Phosphatase, adenosine tri-

- in *Acheta domestica* flight muscles 3416
- in mouse, phosphine inhibition of 6397
- in *Musca domestica*, phosphine inhibition of 6397
- in rat, not affected by fenitrothion 3911
- in *Sitophilus granarius*, phosphine inhibition of 6397
- in *Solenopsis richteri*, mirex inhibition of 4556
- calcium-activated, in *Anas platyrhynchos*, DDE inhibition of 5204
- magnesium-activated, in *Locusta migratoria* Malpighian tubules 3521
- potassium-sodium-activated, in *Locusta migratoria* Malpighian tubules 3521

Phosphatase, alkaline

- in *Acheta domesticus* hemolymph, effects of hemel on 4090
- in *Aphis fabae*, not found 1745
- in *Apis mellifera* gut, detoxification of *Bacillus thuringiensis* exotoxin by 1595
- in *Callosobruchus analis*, activity pattern of 4041
- in *Galleria mellonella* gut, detoxification of *Bacillus thuringiensis* exotoxin by 1595
- in *Leptinotarsa decemlineata*, effects of food-plant on activity of 5875
- in *Musca domestica* gut, detoxification of *Bacillus thuringiensis* exotoxin by 1595
- in *Myzus persicae*, not found 1745
- in sheep ejaculate, formothion decreasing activity of 3305
- isoenzymes, in *Pieris rapae* larval gut 6511

Phosphate

- in grassland soil, effects on Oribatidae of 1976
- in *Vicia faba*, aphid extraction of 3935

Phosphatidylcholines (see Lecithins)**Phosphatidylethanolamines**

- in *Ceratitis capitata*, biosynthesis of 1066
- in *Pieris brassicae* 33, 2400
- in *Trichoplusia ni*, synthesis of 3393

Phosphatidylserines, in *Ceratitis capitata*, biosynthesis of 1066

Phosphine

against

- Acanthoscelides obtectus*, in stored seeds 453
Callosobruchus chinensis, in *Phaseolus angularis* seeds 4440
Caryedon serratus, in stored groundnuts 6282
Ephestia cautella 1681, 5058
 in onions 4432
 in stored wheat 1701
E. elutella 2170
 in stored tobacco 6298
E. kuehniella, in wheat flour 3793
Lasioderma serricorne, in stored tobacco 445, 6241, 6298
Leiodinychus krameri 5055
Neotermes tectonae, on *Tectona grandis* 5043
Odoiporus longicollis, on banana 2033
Oryzaephilus mercator 3197
 pests of soy bean seeds 4441
 pests of stored grain 4441–4443
 pests of stored maize 447, 6232
 pests of stored products 6226
Plodia interpunctella 1029, 2166
Rhynchophorus ferrugineus, on coconut 1387
Rhyzopertha dominica 2171
Sitophilus granarius 933, 2171, 5049, 5705
 in stored wheat 3101, 6309
 in wheat flour 3793
S. oryzae 2171
 in stored rice 717
 in stored wheat 6309
Sitotroga cerealella 2171
Tribolium castaneum, in stored wheat 3101, 4434
T. confusum 933, 5049, 5705
 in stored wheat 6309
Trogoderma granarium 933, 1681, 5049, 5058, 5705
 in stored wheat 1701, 6309
 determination of 1212
 fumigant for
 lighters 5705
 ships' holds 933
 stored grain 2171, 4442–4443
 stored rice 717
 stored seeds 453
 stored wheat 4434
 wheat flour 3793
 in air, indicator strips for 4544
 in *Bacillus thuringiensis*, not toxic 4435
 in *Cicer arietinum* seeds, residues of 1701
 in cottonseed, effects on germination of 3797
 in groundnuts, residues of 1701
 in insects
 metabolism of 3270

Phosphine contd.

- in insects *contd.*
 toxicity of 6251
 in mammals, metabolism of 3270
 in mouse, effects on cell respiration of 6397
 in *Musca domestica*, effects on cell respiration of 6397
 in *Plodia interpunctella*, not affecting granulosis virus 4435
 in *Sitophilus granarius*
 effects on cell respiration of 6397
 role of CO₂ in toxicity of 1665
 in stored grain
 adsorption of 2167
 effects on germination of 3798
 in stored maize, effects on germination of 3797
 in stored pulses, adsorption of 2167
 in stored vegetable seeds, effects on germination of 3799
 in stored *Vicia faba*, effects on germination of 3798
 in stored wheat
 concentration gradients of 5060
 diffusion rate of 5059
 effects on germination of 3797
 residues of 1701
 in *Tribolium confusum*, role of CO₂ in toxicity of 1665
 in *Trogoderma variabile*
 effects of exposure period on susceptibility to 442
 effects of temperature on susceptibility to 442
 in wheat flour, residues of 1701
 resistance to, in
Oryzaephilus spp., testing for 2543
Rhyzopertha dominica, testing for 2543
Sitophilus spp., testing for 2543
Tribolium spp., testing for 2543
T. castaneum, development of 6923
 use of, precautions in 5176
Phosphinic acid, bis(1-aziridinyl)-, ethyl ester, sterilant for, *Pectinophora gossypiella* 4367
Phosphinothioic acid, bis(1-aziridinyl)-
O-ethyl ester, sterilant for, *Heliothis virescens* 5760
O-methyl ester, sterilant for, *Heliothis virescens* 5760
Phosphinothioic amide, P,P-bis(1-aziridinyl)-, sterilant for, *Cydia pomonella* 5761
Phosphinothioic amide, P,P-bis(1-aziridinyl)-N-methyl-, sterilant for, *Anthonomus grandis* 7571
Phospholipase
 in *Bacillus thuringiensis* 5736
 in *Serratia marcescens* 6898

Phospholipids

- in *Ceratitis capitata*, biosynthesis of 1067
- in HeLa cells, effects of insecticides on 2309
- in *Locusta migratoria*, effects of allatectomy on 5427
- in *Pectinophora gossypiella*, geographical variation in 6513
- in *Pieris brassicae* 33, 1758
- synthesis of 2400
- in *Pieris brassicae* haemolymph 2421
- in *Spodoptera exigua* eggs, developmental changes in 1780

Phosphonic acid, (2-chloroethyl)-

- for advancing walnut harvest to reduce damage by *Amyelois transitella* 4304
- in *Spodoptera littoralis*, effects on development of 7667

Phosphonic acid, phenyl-

- 4-bromo-2,5-dichlorophenyl methyl ester in grapevine, leptophos metabolite 1685
- in maize, residues of 2793
- in plants, leptophos metabolite 1658
- in tomato, leptophos metabolite 1685

Phosphonic acid, (2,2,2-trichloro-1-hydroxyethyl)-

- dimethyl ester (see Trichlorophen)

Phosphonic diamide, N,N,N',N'-tetramethyl-Ppropyl-

- against, *Solenopsis invicta* 750

Phosphonium, tetraphenyl-, chloride

- antifeedant for, *Lymantria dispar*, on *Quercus* 4585

Phosphonodithioic acid, ethyl-

- S(4-chlorophenyl) O-ethyl ester against
 - Delia brassicae*, on cabbage 4557
 - Euxoa messoria* 6360
 - on tobacco 6359
 - E. ochrogaster* 6360
 - on tobacco 6359
 - Prionus imbricornis*, on pecan 7294
 - Sphenophorus maidis*, on maize 498
- O-ethyl S(4-methylphenyl) ester against, *Agriotes obscurus*, in grassland 300
- in grassland, effects on Collembola, earthworms and mites of 300
- O-ethyl Sphenyl ester (see Fonofos)

Phosphonothioic acid, ethyl-

- O[2-chloro-1-(2,5-dichlorophenyl)ethenyl] O-methyl ester against
 - Euxoa messoria*, on tobacco 6359
 - E. ochrogaster*, on tobacco 6359
 - Listronotus oregonensis* 877
 - Mythimna unipuncta*, on maize 2793
- in *Pterostichus melanarius*, toxicity of 1054

Phosphonothioic acid, ethyl- contd.

- O(2,5-dichloro-4-iodophenyl) O-ethyl ester, against, *Hylemya antiqua*, on onion 2652

- O-ethyl O(2,4,5-trichlorophenyl) ester (see Trichloronate)

Phosphonothioic acid, methyl-, O[2-chloro-1-(2,5-dichlorophenyl)ethenyl] O-methyl ester

- against, *Listronotus oregonensis* 877

Phosphonothioic acid, phenyl-

- O(4-bromo-2,5-dichlorophenyl) O-methyl ester (see Leptophos)

- O(4-cyanophenyl) O-ethyl ester (see Cyanofenphos)
- O-ethyl O(4-nitrophenyl) ester (see EPN)

Phosphoramidic acid, 1,3-dithietan-2-ylidene-

- diethyl ester, against, *Leptinotarsa decemlineata*, on potato 7604

Phosphoramidic acid, 1,3-dithiolan-2-ylidene-

- diethyl ester (see Phosfolan)

Phosphoramidic acid, methyl-

- 2-chloro-4-(1,1-dimethylethyl)phenyl methyl ester (see Crufomate)
- 2-(diethylamino)-6-methyl-4-pyrimidinyl methyl ester against

- Macrosiphum avenae*, on oats 2256

- Oulema melanopus*, on oats 2256

Phosphoramidic acid, (4-methyl-1,3-dithiolan-2-ylidene)-

- diethyl ester (see Mephosfolan)

Phosphoramidic acid, (1-methylethyl)-

- ethyl 3-methyl-4-(methylthio)phenyl ester (see Fenamiphos)
- methyl 4-nitrophenyl ester against

- Leptinotarsa decemlineata* 3205
- on potato 4969

Phosphoramidothioic acid, O,Sdimethyl ester

- (see Methamidophos)

Phosphoramidothioic acid, acetyl-, O,Sdimethyl ester

- (see Acephate)

Phosphoramidothioic acid, (3-ethyl-5-methyl-2-oxazolidinylidene)-

- O,Sdimethyl ester
- acaricidal activity of 1009
- insecticidal activity of 1009
- metabolism of 1009

Phosphoramidothioic acid, methyl-, O,Odiethyl ester

- determination of 1209

Phosphoric acid

- bis(1-methylethyl) 4-nitrophenyl ester, in *Myzus persicae*, inhibiting malaoxon and paraoxon metabolism 5790
- bis(4-nitrophenyl) ester, in *Schistocerca americana*, inhibition of JH hydrolysis by 3523
- 4-bromo-2,5-dichlorophenyl dimethyl ester, in wheat grain, not found as bromophos metabolite 6285

Phosphoric acid *contd.*

- 2-bromo-1-(2,4-dichlorophenyl)ethenyl
diethyl ester
against
Acyrtosiphon pisum 7652
Blatta orientalis 7652
Delia antiqua 7652
D. brassicae 7652
Leptinotarsa decemlineata 2277,
7652
on potato 2961
Musca domestica 2277, 7652
Sitophilus granarius 7652
Tetranychus urticae 7652
in *Coccinella septempunctata*, toxicity
of 7652
in rat, toxicity of 2277, 7652
2-bromo-1-(2,4-dichlorophenyl)ethenyl
dimethyl ester
against
Acyrtosiphon pisum 7652
Blatta orientalis 7652
Delia antiqua 7652
D. brassicae 7652
Leptinotarsa decemlineata 2277
on potato 2961
Leptinotarsa decemlineata 7652
Musca domestica 2277, 7652
Sitophilus granarius 7652
Tetranychus urticae 7652
in rat, toxicity of 2277, 7652
calcium salt (2:3)
against
Lasioderma serricorne, in flour 1548
pests of cereal products 6248
Rhyzopertha dominica, in flour
1548
Tenebroides mauritanicus, in flour
1548
Tribolium castaneum, in CSM 1548
in stored-product insects, inhibiting
growth and development 6227
7-chlorobicyclo[3.2.0]hepta-2,6-dien-6-yl
dimethyl ester (see Heptenophos)
2-chloro-1-(2,4-dichlorophenyl)ethenyl
diethyl ester (see Chlorfenvinphos)
2-chloro-3-(diethylamino)-1-methyl-3-oxo-
1-propenyl dimethyl ester (see
Phosphamidon)
2-chloro-1-(2,4,5-trichlorophenyl)ethenyl
dimethyl ester, (*Z*)- (see
Tetrachlorvinphos)
diammonium salt, attractant for, *Ceratitidis*
capitata 1647
1,2-dibromo-2,2-dichloroethyl dimethyl
ester (see Naled)
2,2-dichloroethyl dimethyl ester (see
Dichlorvos)
diethyl ester
in *Myzus persicae*, paraoxon metabolite
5790
in spinach, parathion metabolite 1052

Phosphoric acid *contd.*

- diethyl ester *contd.*
in water, determination of 6984
diethyl 2-(1-hydroxy-1-methylethyl)-6-
methyl-4-pyrimidinyl ester, in
vertebrates, diazinon metabolite 5202
diethyl 6-(hydroxymethyl)-2-(1-
methylethyl)-4-pyrimidinyl ester, in
vertebrates, diazinon metabolite 5202
diethyl 6-methyl-2-(1-methylethenyl)-4-
pyrimidinyl ester, in vertebrates,
diazinon metabolite 5202
diethyl 6-methyl-2-(1-methylethyl)-4-
pyrimidinyl ester (see Diazoxon)
diethyl 4-nitrophenyl ester (see Paraoxon)
diethyl 3,5,6-trichloro-2-pyridinyl ester
in maize, residues of 2793
in milk, chlorpyrifos metabolite 6985
in *Reticulitermes flavipes*, chlorpyrifos
metabolite 4547
dimethyl ester
in *Myzus persicae*, malaoxon metabolite
5790
in water, determination of 6984
dimethyl 1-methyl-3-(methylamino)-3-oxo-
1-propenyl ester, (*E*)- (see
Monocrotophos)
dimethyl 3-methyl-4-nitrophenyl ester
in fowl, toxicity of 3913
in rat, effects of 3911-3912
dimethyl 4-nitrophenyl ester, in
Schistocerca americana, cholinesterase
inhibition by 6479
dimethyl 3,5,6-trichloro-2-pyridinyl ester
(see Fospirate)
3-(dimethylamino)-1-methyl-3-oxo-1-
propenyl dimethyl ester, (*E*)- (see
Dicrotophos)
dipotassium salt, with streptomycin, in
Dacus oleae, effects on larval
development of 4101
disodium salt
in *Ceratitidis capitata*, incorporation into
phospholipids of 1066
in *Rhizobium japonicum*, aldicarb
reducing incorporation of 6416
4-(methylthio)phenyl dipropyl ester
against, *Nephotettix cincticeps*, on rice
2806
in *Nephotettix cincticeps*, inhibition of
acetylcholinesterase by 1147
4-nitrophenyl dipropyl ester
in *Myzus persicae*, inhibiting malaoxon
and paraoxon metabolism 5790
synergist for, parathion 5790
triphenyl ester
in *Calliphora vicina*, inhibitor of
epoxide hydratase 6983
in *Tenebrio molitor*, inhibitor of
epoxide hydratase 6983
synergist for, malathion 4541, 5047,
6249

Phosphoric acid *contd.*

- tris(2-methylphenyl) ester
 in *Oncopeltus fasciatus*, effects on
 activity of JH mimics of 1128
 in *Tenebrio molitor*, effects on activity
 of JH mimics of 1128
 synergist for, methoprene 5941

Phosphoric triamide, hexamethyl- (see Hempa)**Phosphoric triamide, (hydroxymethyl)penta-**
methyl-

sterilant for

Callosobruchus chinensis 1155*Drosophila melanogaster* 1155*Musca domestica* 1155**Phosphorodiamidic acid, tetraethyl-, 2-**
(dimethylamino)ethyl ester, sterilant for,
Callosobruchus chinensis 3436**Phosphorodiamidic fluoride, tetramethyl-**
(see Dimefox)**Phosphorodithioic acid**S[2-(acetylamino)ethyl] *O, O*-dimethyl
ester
against*Adelges nordmannianae*, on *Picea*
5676

aphids, on tobacco 7399

Pineus orientalis, on *Pinus* 5676*Thrips tabaci*, on tobacco 7399in *Thaumatomyia*, toxicity of 6018S[2-chloro-1-(1,3-dihydro-1,3-dioxo-2-*H*-
isindol-2-yl)ethyl] *O, O*-diethyl ester
(see Dialifos)S(chloromethyl) *O, O*-diethyl ester (see
Chlormephos)S[(6-chloro-2-oxo-3(2-*H*)-
benzoxazolyl)methyl] *O, O*-diethyl ester
(see Phosalone)S[[[4-chlorophenyl]thio]methyl] *O, O*-
diethyl ester (see Carbophenothion)S[[[4-chlorophenyl]thio]methyl] *O, O*-
dimethyl ester (see Methyl-
carbophenothion)S[(4,6-diamino-1,3,5-triazin-2-yl)methyl]
O, O-dimethyl ester (see Menazon)S[[2,5-dichlorophenyl]thio]methyl] *O, O*-
diethyl ester (see Phenkapton)*O, O*-diethyl S[(ethylsulfinyl)methyl] ester
in cabbage, residues of 5817

in maize, phorate metabolite 1015

in plants, phorate metabolite 3920

in soil, phorate product 1015

O, O-diethyl S[2-(ethylsulfonyl)ethyl]
ester, in soil, degradation of 4581*O, O*-diethyl S[(ethylsulfonyl)methyl] ester
in maize, phorate metabolite 1015

in soil

degradation of 4581

phorate product 1015

O, O-diethyl S[2-(ethylthio)ethyl] ester
(see Disulfoton)**Phosphorodithioic acid** *contd.**O, O*-diethyl S[(ethylthio)methyl] ester
(see Phorate)*O, O*-diethyl S[(5-methoxy-2-oxo-1,3,4-
thiadiazol-3(2-*H*)-yl)methyl] ester (see
Athidathion)*O, O*-diethyl S[2-[(1-methylethyl)amino]-2-
oxoethyl] ester (see Prothoate)*O, O*-diethyl S[(4-oxo-1,2,3-benzotriazin-
3(4-*H*)-yl)methyl] ester (see Azinphos-
ethyl)S[(1,3-dihydro-1,3-dioxo-2-*H*-isindol-2-
yl)methyl] *O, O*-dimethyl ester (see
Phosmet)*O, O*-dimethyl S[2-(methylamino)-2-
oxoethyl] ester (see Dimethoate)*O, O*-dimethyl S[2-[(1-
methylethyl)thio]ethyl] ester, against,
Phytobia cepae, on onion 379*O, O*-dimethyl S[(4-oxo-1,2,3-benzotriazin-
3(4-*H*)-yl)methyl] ester (see Azinphos-
methyl)S[[[1,1-dimethylethyl)sulfinyl]methyl]
O, O-diethyl ester, in soil, terbufos
product 5818S[[[1,1-dimethylethyl)sulfonyl]methyl]
O, O-diethyl ester, in soil, terbufos
product 5818S[[[1,1-dimethylethyl]thio]methyl] *O, O*-
diethyl ester
against*Archiboreoiulus pallidus*, on sugar-
beet 2660*Atomaria linearis*, on sugar-beet
3945*Blaniulus guttulatus*, on sugar-beet
2660, 3945*Boreoiulus tenuis*, on sugar-beet
2660*Brachydesmus superus*, on sugar-beet
3945*Delia brassicae* 4557*D. platura* 4557*Diabrotica longicornis* 6049

pests of maize 7603

pests of sugar-beet 7600

Psila rosae, on carrot 3946*Rhopalosiphum maidis*, on maize
6049

soil arthropods 3956

Sphenophorus callosus, on maize
4264*S. maidis*, on maize 498*Spodoptera littoralis* 4550in *Folsomia candida*, toxicity of 3304in *Hypogastrura armata*, toxicity of
3304

in maize, persistence of 7603

in *Onychiurus folsomi*, toxicity of
3304in *Pterostichus melanarius*, toxicity of
1054

Phosphorodithioic acid contd.

- S*[[[1,1-dimethylethylthio]methyl] *O,O*-diethyl ester contd.
 in soil, oxidation of 5818
 in soy bean, inhibiting phorate sulfoxidation 3920
 in *Stenolophus comma*, toxicity of 1054
 in sugar-beet, effects of 7600
S,S'-1,4-dioxane-2,3-diyl *O,O,O',O'*-tetraethyl ester (see Dioxathion)
O-ethyl *S,S*-diphenyl ester
 formulations of, viscosity of 2247
 use of, in ULV sprays 2247
O-ethyl *S,S*-dipropyl ester (see Ethoprophos)
O-ethyl *S*[2-(ethylthio)ethyl] *O*-methyl ester
 in hare, toxicity of 2293
 in partridge, toxicity of 2293
 in pheasant, toxicity of 2293
O-ethyl *O*[4-(methylthio)phenyl] *S*-propyl ester
 against
Heliothis zea, on maize 5498
Spodoptera frugiperda, on maize 5498
 in cattle, metabolism of 6407
 in rat, metabolism of 6406
S[(2-ethylamino)-2-oxoethyl] *O,O*-dimethyl ester (see Ethoate-methyl)
S[2-(ethylsulfanyl)ethyl] *O,O*-dimethyl ester, against, *Pieris brassicae* 2042
S[(ethylsulfanyl)methyl] *O,O*-bis(1-methylethyl) ester
 against
Acyrtosiphon pisum 2262
Dysmicoccus cryptus, on coffee 4988
Myzus persicae, on cabbage 2282
Phytobia cepae, on onion 379
 in *Coccinella septempunctata*, toxicity of 2282
S[2-(ethylthio)ethyl] *O,O*-dimethyl ester (see Thiometon)
S[2-(formylmethylamino)-2-oxoethyl] *O,O*-dimethyl ester (see Formothion)
S[2-[(2-methoxyethyl)amino]-2-oxoethyl] *O,O*-dimethyl ester (see Amidithion)
S[(5-methoxy-2-oxo-1,3,4-thiadiazol-3(2*H*)-yl)methyl] *O,O*-dimethyl ester (see Methidathion)
S,S'-methylene *O,O,O',O'*-tetraethyl ester (see Ethion)
S,S'-methylene *O,O,O',O'*-tetramethyl ester, methidathion photoproduct 1014
O,O,S-trimethyl ester, methidathion photoproduct 1014

Phosphorofluoric acid, bis(1-methylethyl) ester, in *Manduca sexta*, inhibition of hemolymph esterase by 607**Phosphorothioic acid**

- O*[2-(acetylethylamino)-6-methyl-4-pyrimidinyl] *O,O*-diethyl ester (see Primidophos)
O-(4-aminophenyl) *O,O*-diethyl ester
 in soil, parathion product 5777
 in spinach, parathion metabolite 1059
O-(4-bromo-2-chlorophenyl) *O*-ethyl *S*-propyl ester
 against
Cassida nebulosa, on sugar-cane 7368
C. nobilis, on sugar-cane 7368
 mites 7607
 pests of cotton 7607
 pests of vegetable crops 7607
 thrips, on onion 5944
 properties of 7607
O-(4-bromo-2,5-dichlorophenyl) *O,O*-diethyl ester (see Bromophos-ethyl)
O-(4-bromo-2,5-dichlorophenyl) *O,O*-dimethyl ester (see Bromophos)
O-(2-bromophenyl) *O,O*-dimethyl ester, against, *Solenopsis invicta* 750
O-(3-bromophenyl) *O,O*-dimethyl ester, against, *Solenopsis invicta* 750
O-(4-bromophenyl) *O,O*-dimethyl ester, against, *Solenopsis invicta* 750
O[2-chloro-1-(2,5-dichlorophenyl)ethenyl] *O,O*-diethyl ester, against, *Tipula paludosa* 2824
O[(5-chloro-1-(1-methylethyl)-1*H*-1,2,4-triazol-3-yl)] *O,O*-diethyl ester
 against
Delia brassicae, on cabbage 4557
Costelytra zealandica 3190
Atomaria linearis, on sugar-beet 3945
Blaniulus guttulatus, on sugar-beet 3945
Brachydesmus superus, on sugar-beet 3945
Delia antiqua, on onion 4558
Saissetia coffeae, on *Aphelandra squarrosa* 6802
Sphenophorus callosus, on maize 4264
Tipula spp. 7588
O-(3-chloro-7-methylpyrazolo[1,5-*a*]pyrimidin-2-yl) *O,O*-diethyl ester (see Chlorprazophos)
S[2-[(1-cyano-1-methylethyl)amino]-2-oxoethyl] *O,O*-diethyl ester (see Cyanthoate)
O-(4-cyanophenyl) *O,O*-dimethyl ester (see Cyanophos)
O-(2,4-dibromophenyl) *O,O*-dimethyl ester, against, *Solenopsis invicta* 750
O-(2,5-dibromophenyl) *O,O*-dimethyl ester, against, *Solenopsis invicta* 750
O-(2,5-dichloro-4-iodophenyl) *O,O*-dimethyl ester (see Iodofenphos)

Phosphorothioic acid *contd.*

- O*[2,5-dichloro-4-(methylthio)phenyl]
O,O-diethyl ester (*see also*
 Chlorthiophos)
- O*(2,4-dichlorophenyl) *O,O*-diethyl ester
 (*see* Dichlofenthion)
- O*(5,6-dichloro-2-pyridinyl) *O,O*-diethyl
 ester, in *Reticulitermes flavipes*,
 chlorpyrifos metabolite 4547
- O,O*-diethyl *O*(4-aminophenyl) ester, in
 spinach, parathion metabolite 1052
- O,O*-diethyl ester
 in spinach, parathion metabolite 1052
 in water, determination of 6984
- O,O*-diethyl *S*[(ethylsulfonyl)methyl] ester,
 in maize, phorate metabolite 1015
- O,O*-diethyl *S*[(ethylsulfonyl)methyl]
 ester, in maize, phorate metabolite
 1015
- O,O*-diethyl *O*[2-(ethylthio)ethyl] ester
 (*see* Demeton-O)
- O,O*-diethyl *S*[2-(ethylthio)ethyl] ester
 (*see* Demeton-S)
- O,O*-diethyl *O*(6-fluoro-2-pyridinyl) ester,
 against, *Sphenophorus callosus*, on
 maize 4264
- O,O*-diethyl *O*[6-formyl-2-(1-methylethyl)-
 4-pyrimidinyl] ester, in vertebrates,
 diazinon metabolite 5202
- O,O*-diethyl *O*[4-(hydroxyamino)phenyl]
 ester, in spinach, parathion metabolite
 1059
- O,O*-diethyl *O*[2-(1-hydroxy-1-
 methylethyl)-6-methyl-4-pyrimidinyl]
 ester
 in *Lymantria dispar*, diazinon
 metabolite 6507
 in vertebrates, diazinon metabolite
 5202
- O,O*-diethyl *O*[6-(hydroxymethyl)-2-(1-
 methylethyl)-4-pyrimidinyl] ester, in
 vertebrates, diazinon metabolite 5202
- O,O*-diethyl *O*[6-methyl-2-(1-
 methylethyl)-4-pyrimidinyl] ester, in
 vertebrates, diazinon metabolite 5202
- O,O*-diethyl *O*[6-methyl-2-(1-
 methylethyl)-4-pyrimidinyl] ester (*see*
 Diazinon)
- O,O*-diethyl *O*[4-(methylsulfonyl)phenyl]
 ester (*see* Fensulfotion)
- O,O*-diethyl *O*(4-nitrophenyl) ester (*see*
 Parathion)
- O,O*-diethyl *S*(4-nitrophenyl) ester, in
 spinach, parathion metabolite 1052
- O,S*-diethyl *O*(4-nitrophenyl) ester
 in peach, residues of 5786
 in spinach, parathion metabolite 1052
- O,O*-diethyl *O*(4-nitrosophenyl) ester, in
 spinach, parathion metabolite 1059
- O,O*-diethyl *O*(1-phenyl-1*H*-1,2,4-triazol-
 3-yl) ester (*see* Triazophos)

Phosphorothioic acid *contd.*

- O,O*-diethyl *O*-pyrazinyl ester (*see*
 Thionazin)
- O,O*-diethyl *O*2-quinoxaliny ester (*see*
 Quinalphos)
- O,O*-diethyl *O*(3,5,6-trichloro-2-pyridinyl)
 ester (*see* Chlorpyrifos)
- S*[2-(diethylamino)ethyl] *O,O*-diethyl ester
 (*see* Amiton)
- O*[2-(diethylamino)-6-methyl-4-
 pyrimidinyl] *O,O*-diethyl ester (*see*
 Pirimiphos-ethyl)
- O*[2-(diethylamino)-6-methyl-4-
 pyrimidinyl] *O,O*-dimethyl ester (*see*
 Pirimiphos-methyl)
- O*(1,6-dihydro-6-oxo-1-phenyl-3-
 pyridazinyl) *O,O*-diethyl ester
 against
Chilo suppressalis 1657
Nephotettix cincticeps 1657
 in *Conocephalus maculatus*, toxicity of
 1657
 in *Lycosa pseudoannulata*, toxicity of
 1657
- O,O*-dimethyl ester, in water,
 determination of 6984
- O,O*-dimethyl *S*[2-(methylamino)-2-
 oxoethyl] ester (*see* Omethoate)
- O,O*-dimethyl *S*[2-[[1-methyl-2-
 (methylamino)-2-oxoethyl]thio]ethyl]
 ester (*see* Vamidothion)
- O,O*-dimethyl *O*[3-methyl-4-
 (methylthio)phenyl] ester (*see*
 Fenithion)
- O,O*-dimethyl *O*(3-methyl-4-nitrophenyl)
 ester (*see* Fenitrothion)
- O,S*-dimethyl *O*(3-methyl-4-nitrophenyl)
 ester, as contaminant in fenitrothion
 formulations 5816
- O,O*-dimethyl *O*(5-methyl-2-nitrophenyl)
 ester, with fenitrothion, in carp,
 toxicity of 3325
- O,O*-dimethyl *O*[2-(methylthio)ethyl]
 ester (*see* Demephion-O)
- O,O*-dimethyl *S*[2-(methylthio)ethyl] ester
 (*see* Demephion-S)
- O,O*-dimethyl *O*(4-nitrophenyl) ester (*see*
 Methyl-parathion)
- O,O*-dimethyl *O*(2,4,5-trichlorophenyl)
 ester (*see* Fenchlorphos)
- O,O*-dimethyl *O*(3,5,6-trichloro-2-
 pyridinyl) ester (*see* Chlorpyrifos-
 methyl)
- O*[2-(dimethylamino)-6-methyl-4-
 pyrimidinyl] *O,O*-diethyl ester (*see*
 Pyrimithate)
- O*[4-[(dimethylamino)sulfonyl]phenyl]
O,O-dimethyl ester (*see* Famphur)
- O*(6-ethoxy-2-ethyl-4-pyrimidinyl) *O,O*-
 dimethyl ester
 in rat, toxicity of 7608
 insecticidal activity of 7608

Phosphorothioic acid *contd.*

- O*-(6-ethoxy-2-ethyl-4-pyrimidinyl) *O,O*-dimethyl ester *contd.*
 persistence of 7608
O-ethyl *O*-methyl *O*-(2,4,5-trichlorophenyl) ester
 against
Mamestra brassicae 6758
Pieris brassicae 6758
P. rapae 6758
Planococcus citri, on grape vine 313
Plutella xylostella 6758
Taeniothrips simplex, on *Gladiolus* 7408
O-ethyl *O*-phenyl *S*-propyl ester, acetylcholinesterase inhibition by derivatives of 6388
O-ethyl *S*-propyl *O*-(2,4,6-trichlorophenyl) ester
 against

Heliothis virescens, on cotton 4374
H. zea, on cotton 4374

- S*[2-(ethylsulfinyl)ethyl] *O,O*-dimethyl ester (see Oxydemeton-methyl)
S[2-(ethylsulfonyl)ethyl] *O,O*-dimethyl ester (see Demeton-S-methyl sulphone)
O[2-(ethylthio)ethyl] *O,O*-dimethyl ester (see Methyl-demeton-O)
S[2-(ethylthio)ethyl] *O,O*-dimethyl ester (see Methyl-demeton-S)
O(2-fluorophenyl) *O,O*-dimethyl ester, against, *Solenopsis invicta* 750
O(4-fluorophenyl) *O,O*-dimethyl ester, against, *Solenopsis invicta* 750
S[(5-methoxy-4-oxo-4*H*-pyran-2-yl)methyl] *O,O*-dimethyl ester see Endothion
S[(5-methoxy-2-oxo-1,3,4-thiadiazol-3(2*H*)-yl)methyl] *O,O*-dimethyl ester, methidathion photoproduct 1014
O,O'-(thiodi-4,1-phenylene) *O,O,O',O'*-tetramethyl ester (see Temephos)
O,O,*S*-trimethyl ester, methidathion photoproduct 1014

Phosphorothioic triamide, hexamethyl- (see Thiohempa)**Phosphorotrithioic acid, *S,S,S*-tributyl ester**, in *Schistocerca americana*, inhibition of JH hydrolysis by 3523**Phosphorus**

- as fertilizer (see Fertilizers)
 in *Alternanthera philoxeroides*, effects on *Agasicles hygrophila* of 3446
 in apple, effects of clean cultivation on 6111
 in cardamom, effects of mosaic virus infection on 145
 in grasses, effects of *Solenopsis invicta* on 6609
 in lucerne, effects of *Hypera brunneipennis* on 302

Phosphorus *contd.*

- in okra, effects of yellow-vein mosaic virus infection on 1439
 in *Ricinus communis* 5276
 in *Samia cynthia* diet, requirement for 5276
 in soil, effects of *Solenopsis invicta* on 6609
 in soil around *Pogonomyrmex occidentalis* mounds 174
 in *Solenopsis invicta* 2697
 in *Solenopsis invicta* queens 5311
 in sour orange, effects of *Eutetranychus orientalis* on 1432
 in *Spodoptera litura*, effects of *Bacillus thuringiensis* on 886
 in sugar-beet, effects of aldicarb on 1464
 in tomato, effects of insecticides on 5813
 in *Vigna radiata*, effects of mung bean yellow mosaic virus on 7349
Phosphorus gabonator (see *P. virescens gabonator*)
Phosphorus, radioactive (³²P)
 in *Schistocerca americana*, persistence of 1861
 marker for, *Pectinophora gossypiella* 5334
Rhagoletis cerasi labelled with 2540
Phosphorus virescens gabonator, on *Cola*, in West Africa 4245
Phosphorus virescens jansonii, on *Cola*, in West Africa 4245
Phosphorus virescens nimbatensis, on *Cola*, in West Africa 4245
Phosphorylase
 in *Acheta domestica* flight muscles 3416
 in *Locusta migratoria* thorax, effects of flight-muscle stimulation on 1116
Phosphorylase, glycogen, in *Bombyx mori* eggs, relation of diapause and 4060
Phostoxin (see Phosphine [from aluminum phosphide])
Phosvel (see Leptophos)
Photodiadlin (see 2,4,6-Metheno-2*H*-cyclopenta[4,5]pentaleno[1,2-*b*]oxirene, 2a,3,3,4,5,5a-hexachlorodecahydro-)
Photoperiodism 2516, 2520
 books on 7052
Photosynthesis
 in apple, effects of insect damage on 7313
 in cotton, effects of *Bemisia tabaci* on 5640
 in *Euglena gracilis*, effects of insecticides on 3922
 in potato, effects of *Macrosiphum euphorbiae* on 5625
 in *Selanastrum capricornutum*, effects of DDT on 6413
 in soy bean
 effects of *Cynthia cardui* on 6163
 effects of *Plathypena scabra* on 6163

Photosynthesis contd.

relation of C_4 pathway and plant
indigestibility 2682

Phoxim (4-ethoxy-7-phenyl-3,5-dioxa-6-aza-4-phosphaoct-6-ene-8-nitrile 4-sulfide)
acaricidal activity of 1606
against

Adraustus spp., on maize 4262

Agriotes spp. 152, 2281

on maize 4262

bark beetles 4418

Chortoicetes terminifera 5987

Chrysomela scripta 7433

Dalaca noctuides, in pastures 4881

Dermestes frischii, in hide 1674

Eupterote canaraica, on coffee 3019

Hylemya antiqua, on onion 2652

H. brassicae

on brussels sprouts 2651

on cabbage 351

Hyllobius pales 1664

Lacanobia oleracea 1598

Lambdina fuscicollis 520

Lasioderma serricornis 1547

Leptinotarsa decemlineata, on potato 374

Leucinodes orbonalis, on eggplant 5634

Lymantria dispar, on *Quercus* 1632

Macrosiphum avenae, on wheat 1939

Mamestra brassicae, on sugar-beet 4960

Melolontha melolontha 2281

Mythimna unipuncta 2793

Ostrinia nubilalis, on maize 6680

pests of beet 2947

pests of stored grain 3098

Phthorimaea operculella, on potato 7374

Rhizoglyphus echinopus, in freesia
corms 5411

Rhopalosiphum padi, on wheat 1939

Rhyzopertha dominica 5052

Schizaphis graminum, on wheat 1939

Sitophilus oryzae 700

in stored maize 446, 705

Sitotroga cerealella, in stored rice 5052

Sphenophorus callosus, on maize 4264

S. maidis, on maize 498

Spodoptera littoralis

on tomato 3666

on *Vigna unguiculata* 3666

Stenotarsonemus laticeps, in *Narcissus*
bulbs 5411

Tetranychus urticae 514

Tipula paludosa 2824

in mammals, toxicity of 1606

in rat, toxicity of 3098

in tea

photodegradation of 2107

residues of 2107

Phoxim contd.

in wheat grain, metabolism of 6972

insecticidal activity of 1606

Phoxim Sethyl isomer (see 3,5-Dioxa-6-aza-4-phosphaoct-6-ene-8-nitrile, 4-(ethylthio)-7-phenyl-, 4-oxide)**Phoxim oxygen analogue** (see 3,5-Dioxa-6-aza-4-phosphaoct-6-ene-8-nitrile, 4-ethoxy-7-phenyl-, 4-oxide)

Phragmites communis, *Hyalopterus pruni*
on, in Poland 322

Phryxe caudata

amino acids in, during larval development 6463

development in 1236

larval development in 2706

mating in, effects on descent of eggs in
uterus of 20

parasitising, *Galleria mellonella* 20,
1235, 2706

rearing of, diets for 1235-1236

Phryxe nemea (see *Zenillia*)**Phryxe pecosensis**

in USA 5437

parasitising, *Choristoneura fumiferana*, in
Maine 5437

Phryxe vulgaris

in USSR 1872

parasitising

Colias erate, in USSR 1872

Cynthia cardui, in USSR 1872

Hadena illoba, in USSR 1872

Hypena tristalis, in USSR 1872

Pyrrhia umbra, in USSR 1872

Phthalophos (see Phosmet)**Phthorimaea operculella**

biology of 2966, 4965, 6194

control of, insecticides for 3685, 4430,
4970, 5626, 5951, 6169, 7374, 7379

descriptions of 677, 3686

digestive enzymes in 4649

fecundity in, effects of food-plant on
3684

garlic oil in, toxicity of 518

granulosis virus in

effects of 879

replication of 5078

gut pH in 4649

hemocytes in 6493

Hexameris spp. in, in South America
1277

in Argentina 1277, 1279

in Australia 1469, 2966-2967, 6193-6194

in Brazil 4970

in Chile 1279

in Cyprus 5912

in Egypt 3685, 3690

in India 376, 1278, 4430, 4649

in Iraq 4965

in Japan 779

in New Zealand 3686

in Peru 677, 1277

***Phthorimaea operculella* contd.**

- in South Africa 5951
- in Uruguay 1277, 1279
- in USA 1905, 2074, 2973
- in Zambia 2070
- in stored potatoes
 - in Brazil 4970
 - in Karnataka 4430
- in warehouses, in India 4649
- life-cycle of 3686
- on *Datura stramonium*, feeding by 3683
- on eggplant
 - feeding by 3683
 - in Egypt 3690
 - in Zambia 2070
 - oviposition by 3684
- on *Nicotiana glauca*, on potato, in Iraq 4965
- on potato 1902, 5626
 - damage caused by 3686, 5951
 - feeding by 3683
 - in Australian Capital Territory 2967
 - in Brazil 4970
 - in California 1905, 2074
 - in Egypt 3685, 3690
 - in India 4649
 - in Karnataka 4430
 - in Maharashtra 376
 - in New Zealand 3686
 - in Peru 677
 - in Queensland 2966
 - in South Africa 5951
 - in South America 1277
 - in Western Australia 1469
 - in Zambia 2070
 - oviposition by 3684
- on tobacco
 - in Australian Capital Territory 2967
 - in Peru 677
 - in Queensland 6193–6194
 - in South America 1277
 - in Zambia 2070
- on tomato, in Egypt 3690
- oviposition in 2967
 - effects of food-plant on 3684
- parasites of
 - effects of insecticides on 2070
 - in India 1278
 - in South America 1277
 - in Zambia 2070
- parasitised by
 - Apanteles gelechiivoris*, and biological control using, in California 1905
 - A. subandinus*
 - and biological control using
 - in South Africa 5951
 - in Zambia 2070
 - Bracon gelechiae* 1902
 - Copidosoma desantisi*, in South America 1279

***Phthorimaea operculella* contd.**

- parasitised by contd.
- Copidosoma* contd.
- C. koehleri*
 - and biological control using
 - in Maharashtra 376
 - in South Africa 5951
 - in Zambia 2070
 - in South America 1279
- Diadegma koizumii*, in Japan 779
- D. mollipla*, in South Africa 5951
- Ephialtes roborator* 663
- Ichneumonidae*, in Japan 779
- phagostimulants for 3683
- preyed on by
 - Adonia variegata*, in South Africa 5951
 - Chrysopa* spp., in South Africa 5951
 - C. zastrowi* 4223
 - Geocoris tricolor*, in Karnataka 1278
 - Lioadalia flavomaculata*, in South Africa 5951
 - Odynerus* spp., in Karnataka 1278
 - Zosterops gouldii*, in Western Australia 1469
- seasonal abundance of 3690, 5626
- sex pheromone of 2973
- traps for 2074, 5912
- Phycita infusella***
 - biology of 6795
 - control of, insecticides for 6795
 - in India 6795
 - on cotton, in Punjab 6795
- Phycitidae**
 - in Sardinia 1201
 - male genitalia in 7025
 - traps for 1201
- Phycodes radiata***, parasitised by, *Tetrastichus israeli* 6640
- Phygadeuon***
 - biology of 1284
 - taxonomy of 1284
- Phygadeuon punctiventris***
 - in UK 2068
 - parasitising, *Napomyza carotae*, in England 2068
- Phygadeuon trichops***
 - parasitising
 - Delia antiqua* 5209
 - D. brassicae* 5209
 - pesticides in, effects on fecundity of 5209
 - rearing of, techniques for 5209
- Phyllanthus emblica***
 - extracts of, in *Dysdercus cingulatus*, JH activity of 4529
 - juvenile-hormone activity of extracts of 4064
 - Virachola isocrates* on, in Madhya Pradesh 7328
- Phyllaphis fagi***, honeydew of 6617
- Phyllobius argentatus***
 - biology of 2131

***Phyllobius argentatus* contd.**

- in Denmark 2130–2131
- on *Fagus*, in Denmark 2130–2131
- traps for 2130

Phyllocnistis citrella

- in Japan 112
- intraspecific competition in 112

Phyllocnistis meliacella

- sp. nov., description of 3076
- in Costa Rica 3076
- on *Cedrela*, in Costa Rica 3076
- on *Swietenia*, in Costa Rica 3076

Phyllocoptes coryli

- in USSR 6096
- on hazel, in USSR 6096

Phyllocoptes linderifolius

- sp. n., description of 3985
- in USA 3985
- on *Lindera benzoin*, in Ohio 3985

***Phyllocoptes vitis*, taxonomy of,**

- Calepitrimerus vitis* misidentified as 2326

Phyllocoptura oleivora

- biology of 2893
- control of, acaricides for 2030, 2893, 6745

- descriptions of 4187

- feeding behaviour in 1431

***Hirsutella thompsonii* in**

- and biological control using 6358
- in Texas 3139
- pathogenicity of 2893, 3139

- in Cyprus 6745

- in South Africa 2030

- in Surinam 2893

- in Taiwan 4187

- in USA 3139

- life history of 6745

- on *Citrus* 6358

- damage caused by 6745

- in Cyprus 6745

- in South Africa 2030

- in Texas 3139

- on *Citrus grandis*, in Taiwan 4187

- on *Citrus tankan*, in Taiwan 4187

- on grapefruit, in Surinam 2893

- on lemon, development of 661

- on lime (*Citrus*), in Taiwan 4187

- on orange

- damage caused by 1431

- in Surinam 2893

- in Taiwan 4187

Phyllognathus, Melolontha melolontha

- lethargy disease agent in, pathogenicity of 6880

Phyllonorycter blancardella

- biology of 4901, 4906

- control of 5559

- biological 7553

- insecticides for 6375

- integrated 7538

- in Bulgaria 5559

***Phyllonorycter blancardella* contd.**

- in Israel 4901, 4906

- in Italy 6375, 7538, 7553

- on apple

- in Bulgaria 5559

- in Israel 4901, 4906

- in Italy 6375, 7553

- on pear, in Israel 4901

- on quince, in Israel 4901

- parasites of, effects of pesticides on 5559

- parasitised by, Eulophidae, in Israel 4906

Phyllonorycter corylifoliella

- control of 5559

- insecticides for 324

- in Bulgaria 5559

- in Netherlands 6719

- in USSR 324

- on apple

- in Bulgaria 5559

- in Crimea 324

- in Netherlands 6719

- on pear, in Netherlands 6719

- parasites of

- effects of insecticides on 6719

- effects of pesticides on 5559

- parasitised by

- Braconidae, in Netherlands 6719

- Chalcidoidea, in Netherlands 6719

Phyllonorycter obtusifoliella

- sp. n., description of 5232

- in Cyprus 5232

- on *Acer obtusifolium*, in Cyprus 5232

Phyllonorycter pyrifoliella

- biology of 324, 6726

- control of 6726

- insecticides for 324

- in USSR 324, 6726

- on apple

- in Crimea 324

- in Russian Republic 6726

- parasitised by

- Apanteles circumscriptus*, in Russian Republic 6726

- Sympiesis gordius*, in Russian Republic 6726

- S. sericeicornis*, in Russian Republic 6726

- preyed on by, *Anthocoris nemorum*, in

- Russian Republic 6726

Phyllonorycter troodi

- sp. n., description of 5232

- in Cyprus 5232

- on *Quercus alnifolia*, in Cyprus 5232

Phyllophaga

- control of 7223

- insecticides for 7225

- in South America 4601

- on *Pinus resinosa*

- effects on yield of 6837

- in USA 6837

Phyllophaga contd.

- on sugar-cane, in Dominican Republic 7223, 7225

Phyllophaga crinita

- in USA 6074
- on sorghum, in Texas 6074
- on wheat, in Texas 6074
- seasonal abundance of 6074

Phyllophaga patrueloides (see *Lachnosterna*)**Phyllophaga plaei** (see *Lachnosterna*)**phyllopus, Leptoglossus****Phyllostachys heterocyla, Cosmopterix**

- phyllostachyseae* on, in Ishikawa Prefecture 1932

phyllostachyseae, Cosmopterix**Phyllotreta**

- Acholeoplasma* spp. in, replication of 3109

- control of, insecticides for 355, 3973
- on maize, in Yugoslavia 1351
- on radish, in Poland 355
- on turnip, in Sarawak 3973

Phyllotreta atra

- control of, insecticides for 1661
- Erysimum* latent virus in, transmission of 6146

Phyllotreta chotanica

- control of, insecticides for 4932
- in India 4932
- on cabbage, in Rajasthan 4932

Phyllotreta cruciferae

- in USA 4931
- on kale, in New York 4931

Phyllotreta nemorum, food-plants of, selection of 3459**Phyllotreta nigripes, Erysimum** latent virus in, transmission of 6146**Phyllotreta striolata**

- biology of 2915
- in Canada 7155
- in USA 2915, 4931
- on crucifers, in North Carolina 2915
- on horse-radish, rearing of 7155
- on kale, in New York 4931
- on rape 7155
- rearing of, techniques for 7155

Phyllotreta undulata

- Erysimum* latent virus in, transmission of 6146

- in Finland 4833
- in oat fields, in Finland 4833

Phyllotreta vittata

- in Finland 4833
- in oat fields, in Finland 4833

Phyllotreta vittula

- in Finland 4833
- in Yugoslavia 1351
- on maize, in Yugoslavia 1351
- on oats, in Finland 4833

Phylloxera vitifoliae (see *Viteus*)**Phymatidae**, preying on, Bombinae, in North America 3550**Physa**

- carbaryl in, residues of 4580
- 3,5-dimethylphenyl methylcarbamate in, residues of 4580

Physa fontinalis

- endosulfan in, toxicity of 2643
- endosulfan metabolites in, toxicity of 2643

Physalis

- Heliothis subflexa* on, in Mexico 783

- H. virescens* on, in Mexico 783

- Trialeurodes vaporariorum* on, in Mexico 1474

Physalis alkekengi, Acanthocoris sordidus

- on, in Japan 3689

Physalis chino disease, causal agent, in, *Trialeurodes vaporariorum*, transmission of 1474**Physalis floridana**, green gram mosaic virus in, infectivity of 860**Physalis ixocarpa**

- Heliothis subflexa* on damage caused by 1475
- in Mexico 1475

- H. virescens* on damage caused by 1475
- in Mexico 1475

- Symmetrischenia* spp. on damage caused by 1475
- in Mexico 1475

Physalis peruviana

- mosaic virus in aphid transmission of 5724
- in Karnataka 5724

physapus, Thrips**Physcus aligarhensis**

- sp. n., description of 1908
- in India 1908
- parasitising, *Aonidiella orientalis*, in Uttar Pradesh 1908

Physcus varicornis

- in Canada 1513
- parasitising, *Phenacaspis pinifoliae*, in Quebec 1513

Physocephala, parasitising, Bombinae, in Ontario 6003**Physokermes**, in forests, effects of malathion on 2296**Physokermes hemicyrphus**

- in East Germany 1906
- on *Picea*, in East Germany 1906
- parasitised by, Chalcidoidea, in East Germany 1906

- preyed on by, *Brachytarsus nebulosus*, in East Germany 1906

Physokermes piceae

- in East Germany 1906
- on *Picea*, in East Germany 1906
- parasitised by, Chalcidoidea, in East Germany 1906

- preyed on by, *Brachytarsus nebulosus*, in East Germany 1906

- Phytalus*, in South America 4601
Phytoalexins, in lucerne, role in resistance to *Therioaphis trifolii* of 1985
Phytobia cepae
 control of, insecticides for 379
 in Taiwan 379
 on Amaryllidaceae, in Taiwan 379
Phytobia incisa
 biology of 279
 in Bulgaria 279
 on grasses, in Bulgaria 279
 on maize, in Bulgaria 279
 parasites of, in Bulgaria 279
 preyed on by
 Nabis pseudoferus, in Bulgaria 279
 Orius spp., in Bulgaria 279
Phytocoptes, taxonomy of 2325
Phytocoptes deschampsiae
 in USSR 6526
 on grasses, in USSR 6526
 seasonal adaptations in 6526
Phytocoris discoidalis
 sp. n., description of 1723
 in USA 1723
 on *Pinus banksiana*, in Pennsylvania 1723
 on *Pinus virginiana*, in Pennsylvania 1723
Phytocoris schuykillensis
 sp. n., description of 1723
 in USA 1723
 on *Pinus banksiana*, in Pennsylvania 1723
 on *Pinus rigida*, in Pennsylvania 1723
 on *Pinus sylvestris*, in Pennsylvania 1723
Phytocoris tiliae
 in Canada 7127
 in UK 796
 in USA 7127
 preying on, *Cydia pomonella*, in England 796
Phytodietus griseanae
 biology of 6004
 diapause in, effects of temperature on 2159
 in Switzerland 2159, 6004
 parasitising, *Zeiraphera diniana*, in Switzerland 2159, 6004
Phytometra (see *Plusia*)
Phytometra orichalcea (see *Diachrysia*)
Phytomyza
 on Crassulaceae 7016
 on *Orobanche*, and biological control using, in Russian Republic 7388
Phytomyza anthrisci (see *P. chaerophylli*)
Phytomyza atricornis (see *P. horticola*)
Phytomyza chaerophylli
 in UK 5619
 on carrot, in England 5619
Phytomyza heringiana
 biology of 1414
 in Bulgaria 1414
Phytomyza heringiana contd.
 on apple, in Bulgaria 1414
Phytomyza horticola
 biology of 855
 control of, insecticides for 354, 6775
 feeding behaviour in 5607
 in Egypt 4777
 in India 354, 855, 2929, 6775, 7355
 in Japan 5607
 on *Brassica juncea*, in Punjab 354
 on Cruciferae, in India 855
 on pea
 effects of sowing date on 2929
 in India 6775
 in Japan 5607
 in Uttar Pradesh 2929
 on *Vigna unguiculata*, in Delhi 7355
 oviposition in 5607
 parasitised by
 Braconidae, in India 855
 Chalcidoidea, in India 855
 Diglyphus spp., in Egypt 4777
Phytomyza rhodiola
 sp. nov., description of 7016
 in Canada 7016
 on *Rhodiola rosea*, in Yukon 7016
Phytomyza syngenesiae
 control of, insecticides for 3938–3939
 in UK 3938–3939
 on chrysanthemum, in England 3938–3939
phytomyzae, *Euparacrias*
Phytonomus (see *Hypera*)
Phytonomus variabilis (see *Hypera postica*)
Phytophthora
 control of 5628
 in, potato, in Ukraine 5628
Phytophthora infestans
 control of, fungicides for 5620
 in, potato, in East Germany 5620
Phytophthora palmivora
 in, cacao, in Ghana 400
 transmission of, role of ants in 3015
 vectors of 400
Phytoptidae, taxonomy of 2326
Phytoptus, taxonomy of 2325–2326
Phytoptus avellanae
 biology of 7301
 control of, acaricides for 1412, 7301
 in Italy 1412, 7301
 in USSR 6096
 on hazel
 in Italy 1412, 7301
 in USSR 6096
Phytoptus pyri (see *Eriophyes*)
Phytoscapus formosanus, *Metarhizium anisopliae* in, pathogenicity of 255
Phytoseiidae
 in Japan 3839
 in Puerto Rico 6430
 in Russian Republic 7010
 in Taiwan 5833

Phytoseiidae contd.

- in apple orchards
 - effects of pesticides on 2011, 7311
 - in North Carolina 7541
 - in Poland 2011
 - in Wisconsin 7311
- insecticide resistance in 7542
- keys to 3839
- keys to genera of 5833
- preying on, *Tetranychus urticae*, and
 - biological control using, in Scandinavia 5743

taxonomy of, characters for 3839

Phytoseiinae, in Taiwan 5833**Phytoseiulus**

- preying on
 - Tetranychidae
 - and biological control using
 - in Moldavia 5745
 - in USSR 6619
 - Tetranychus urticae* 6619
 - rearing of, techniques for 6619
- Phytoseiulus persimilis***
- acaricides in, toxicity of 3655, 5576, 7666, 7673
 - biology of 981, 1301
 - chemoreceptors and mechanoreceptors in 1108
 - cost of biological control using 979
 - digestion in 584
 - dimethoate in, toxicity of 7583
 - dioxathion in, toxicity of 7583
 - fungicides in, toxicity of 3655, 7666, 7673
 - insect growth regulators in, toxicity of 5413
 - mid-gut epithelium in 584
 - palps and first tarsi in 1108
 - pesticides in, toxicity of 5743
 - population dynamics of 5793
 - preying on
 - glasshouse pests, and biological control
 - using, in UK 798

- mites, and biological control using, in Poland 5092

Tetranychidae

- and biological control using 4185
 - in France 977, 3170
 - in Netherlands 6903
 - in Poland 6918

***Tetranychus cinnabarinus* 584**

T. kanzawai, and biological control using, in Japan 3840

T. pacificus* 1917**T. turkestanii* 1174, 1220**

- and biological control using 7666
 - in Bulgaria 1638, 2252, 3655

***T. urticae* 980–981, 1174, 1301, 5465**

- and biological control using 5793
 - in Belgium 7520
 - in Bulgaria 1638, 2252
 - in England 908, 3938

***Phytoseiulus persimilis* contd.**

preying on contd.

***Tetranychus urticae* contd.**

and biological control using contd.

- in Finland 974
- in Hokkaido Prefecture 7523
- in Japan 3840
- in Netherlands 978, 4512, 6909
- in Norway 973
- in Romania 976
- in Scandinavia 5743
- in Sweden 975

rearing of

diets for 1917

techniques for 1220, 5465, 6909

Phytoseius finitimus* (see *P. plumifer*)**Phytoseius fotheringhamiae***

biology of 4310

in Australia 4310, 5560–5561

preying on

Bryobia spp., in New South Wales 4310

Eriophyidae, in New South Wales 4310

Tetranychus urticae, in New South Wales 4310, 5560–5561

Tydeidae, in New South Wales 4310

Phytoseius plumifer

biology of 208

development in

effects of leaf characteristics on 211

effects of nutrition on 2720

in Egypt 208, 2720

pollen feeding in, effects of 4799

preying on

Aceria ficus, in Egypt 208, 2720

Tetranychus arabis 2720

and biological control using 2891

T. cinnabarinus 208, 211

T. urticae 4799

reproduction in, effects of nutrition on 2720

Phytoseius turiacus

sp. nov., description of 7003

in USSR 7003

in cherry orchards, in USSR 7003

Phytosol (see Trichloronate)**PIB-7 (see Protein hydrolysate)*****Picea***

Adelges spp. on, galls of 4404

***A. abietis* on**

effects of atmospheric fluorine on 1527

in UK 5035

in West Germany 1527

***A. nordmannianae* on**

damage caused by 5676

in USSR 5676

bark beetles on, in Sweden 4418

Cephalcia abietis on, in Austria 2296

Choristoneura fumiferana on

in Maine 5437

in North America 6836

Picea contd.

- Choristoneura fumiferana* on contd.
 in Ontario 3742
 in Quebec 5682
Cydia pactolana on, in West Germany 5663
Dendroctonus micans on, in France 7409
D. rufipennis on, in British Columbia 3757
 Diprionidae on, in Czechoslovakia 1528
Epitrimerus pungiscus on, in Finland 3769
Gilpinia hercyniae on 1509
 in Wales 487
Hylobius abietis on, in West Germany 3071
 insect pests of, in West Germany 5684
Ips amitinus on, in Finland 4422
I. duplicatus on, in Norway 1142
 Nematinae on, in Czechoslovakia 1528
 Nematini on, in Austria 4998
Oligonychus ununguis on 6815
Orgyia antiqua on 1032
 in West Germany 912, 3030, 5663
Pachynematus alaskensis on 910
Physokermes hemicryphus on, in East Germany 1906
P. piceae on, in East Germany 1906
 Scolytidae on, in Maine 3763
Trypodendron lineatum on, in West Germany 3061-3062
Xyleborus saxeseni on
 in Switzerland 3543
 in West Germany 3543

Picea abies

- Adelges* spp. on
 damage caused by 4419
 in Switzerland 4419
A. abietis on
 galls of 7426
 in France 7426
 resistance to, relation of phenols and 7440
 traces of feeding by 7112
A. strobilobius on, traces of feeding by 7112
A. tardus on
 galls of 7426
 in France 7426
 resistance to 7426
Elatobium abietinum on 6470
Epinotia tedella on, in Denmark 4220
Epitrimerus pungiscus on
 damage caused by 3769
 in Finland 3769
 extracts of, *Lymantria dispar* feeding responses to 4112
Gilpinia hercyniae on
 development of 4407, 7123
 feeding by 5275
 oviposition by 5340

Picea abies contd.

- Hymenoptera on, in West Germany 3055
 insecticides in, persistence of 1526
Ips typographus on, in Czechoslovakia 2152
Kaltenbachiola strobis on, in Netherlands 1248
Lymantria monacha on
 damage caused by 436
 in Czechoslovakia 436-437
Pachypappa tremulae on, in UK 4597
Pegohylemyia anthracina on, in Czechoslovakia 5405
Pristiphora abietina on
 in Czechoslovakia 1525
 in West Germany 5657
 Psyllidae on, in Norway 431
Semiothisa liturata on, feeding by 5340
 spiders on, in Norway 431
Urocera gigas on, in Northern Ireland 4154
Zeiraphera diniana on, in Czechoslovakia 1525
Picea alba (see *P. glauca*)
Picea engelmannii
 Choristoneura occidentalis on, in USA 5009
 Dendroctonus rufipennis on, in British Columbia 6212
 Sirex cyaneus on, in USA 3741
 Xeris spectrum on, in USA 3741
Picea excelsa (see *P. abies*)
picea, Forcipomyia
Picea glauca
 Choristoneura fumiferana on
 in Manitoba 913, 5206
 in Ontario 5671, 6223-6224, 6848-6851
 Dendroctonus rufipennis on, in British Columbia 6212
 Pachynematus alaskensis on, in Minnesota 507
 Scolytidae on, in Alaska 4399
 Siricidae on, in Europe 2151
Picea glauca starch, diet component for, *Choristoneura fumiferana* 3031
Picea glauca (timber), *Tetropium parvulum* in, in Alberta 6320
picea, Heptophylla
Picea mariana, *Gilpinia polytoma* on 910
Picea omorika
 Adelges spp. on, galls of 4404
 Choristoneura murinana on, development of 3067
 Cinara piceae on, in Austria 931-932
 Epinotia tedella on, unable to develop 3067
Picea orientalis
 Adelges spp. on, galls of 4404
 A. nordmannianae on, in USSR 5676

***Picea orientalis* contd.**

Choristoneura murinana on, development of 3067

Dendroctonus micans on, in Turkey 7437

Epinotia tedella on, development of 3067
Hymenoptera on, in West Germany 3055

Picea pungens

Epinotia tedella on, development of 3067
Taniva albolineana on, in Alberta 3043

Picea sitchensis

Adelgidae in
galls of 7417
in UK 7417

Dendroctonus rufipennis on, in Oregon 4391

Elatobium abietinum on 6470
effects of fertilizers on 5035
in Scotland 6216
in UK 5035

Hylastes spp. on, in UK 6835

Hylobius abietis on, in UK 6835

Pineus similis on, in England 7417

Urocera augur on, in Irish Republic 4154

U. gigas on
in Irish Republic 4154
in Northern Ireland 4154

***Picea smithiana*, *Coptotermes heimi* on, susceptibility to 3561**

***Picea* (timber)**

termites in, effects of Basidiomycetes on 4234

Trypodendron lineatum in
damage caused by 2177
in Finland 2177

piceae*, *Adelges* (*Dreyfusia*)**piceae*, *Cinara******piceae*, *Cryphalus******piceae*, *Physokermes******piceae*, *Scolytus******piceus*, *Blaptostethus******picipes*, *Phaenoglyphis******picipes*, *Aphidius******picipes*, *Dyscinetus******picitarsis*, *Ceutorhynchus******picivorus*, *Pachylobius******picklei*, *Chrysobothris******picridis*, *Uroleucon***

***Picromerus*, preying on, *Cydia pomonella*, in France 6732**

Picromerus bidens

in West Germany 912, 930
preying on

Microdiprion pallipes, in West Germany 930

Orgyia antiqua, in West Germany 912

picta*, *Eutanyacra***picta*, *Pauesia******picticornis*, *Euschistus******pictipes*, *Synanthedon* (*Aegeria*)*****Picturaphis brasiliensis***

Acrostalagmus aphidum in, and biological control using 6982

benomyl in, toxicity of 6982
on *Vigna unguiculata* 6982

pictus*, *Megastigmus***pictus*, *Poeciloceris******piercei*, *Leucothrips******Pieris***

control of, integrated 2919
on cabbage, in Poland 2919
parasitised by

Apanteles glomeratus, in Taiwan 2719

Trichogramma evanescens, and
biological control using, in Poland 2919

preyed on by, *Chrysopa perla*, and
biological control using, in Poland 2919

Pieris brassicae

adenosine in 71

alkaloids in, excretion of 7072

Bacillus thuringiensis in 3141
bioassay for 2197

γ -BHC in, effects of 3280

biliverdin in, effects of light on 40

cellular defense reactions in 4033

colour of, effects of carotenoid deprivation on 2402

control of

Bacillus thuringiensis for 2196, 3857, 5080, 6892

growth regulators for 5789

insecticides for 2042, 3960, 6758, 6765, 7610

integrated 7340, 7343

cuticle in, effects of parasitism on 5445
development in 1743

levels of ecdysones during 4667

enzymes in 1743, 4029

Escherichia coli in, interactions of
spherule cells and 4464

farnesane derivatives in, growth-regulator activity of 6939

fatty acids in

absorption of 1758

regulation of uptake of 2421

synthesis and utilisation of 2400

forecasting infestations of 2519

granulosis virus in, not transmitted transovarially 6335

hemocytes in 6495

hemolymph in 6495

homoeötic transdetermination in, caused by JH mimics 55

in France 3857

in Netherlands 3960

in Poland 1450, 4130, 6761, 6928

in Switzerland 5789

in USSR 6758, 6765, 6767, 7340, 7343

***Pieris brassicae* contd.**

- insecticides in, effects on metabolism of 3287
- juvenile hormone in 7085
- larval development in 4028
- lipids in 2421
 - dietary requirement for 2382
 - digestion and absorption of 1758
 - synthesis of 2400
- lutein esters in, effects of diet on 4052
- melanisation in
 - effects of hormones and light on 574
 - effects of light on 40
- nitrogen metabolism in 1743
- nitrogenous excretion in 4029
- ommochromes in 5257
- on brussels sprouts, in Netherlands 3960
- on cabbage
 - development of 2196
 - in Moldavia 7340
 - in Russian Republic 6765
 - in Ukraine 7343
- on crucifers, in Poland 6761
- on garden vegetables, in USSR 6758
- oviposition deterrents for, plant extracts as 7338
- palmitate metabolism in 33
- parasites of, effects of growth regulators on 5789
- parasitised by
 - Apanteles glomeratus* 2196, 5445
 - in France 3857
 - in Switzerland 5789
 - in USSR 6767
 - A. rubecula*, in USSR 6767
 - Compsilura concinnata*, in USSR 6767
 - Hyposoter ebeninus*, in USSR 6767
 - Pimpla instigator* 199, 6006
 - Pteromalus puparum*
 - in Switzerland 5789
 - in USSR 6767
 - Trichogramma* spp., in USSR 6767
- pathological phenomena in 5272
- pentose phosphate pathway in 35
- pupal-adult transformation in, biochemical correlations during 5258
- pupal melanisation in 31
 - effects of light on 2385
- seasonal abundance of 4130
- spinning behaviour in, effects of JH mimics on 54
- Staphylococcus aureus* in, interactions of spherule cells and 4464
- tyrosine in, reservoir of 4681
- Pieris floribunda*, *Stephanitis takeyai* on, in Connecticut 2119**
- Pieris floribunda* × *P. japonica*, *Stephanitis takeyai* on, in Connecticut 2119**
- Pieris japonica***
 - Stephanitis takeyai* on
 - damage caused by 2119
 - in Connecticut 2119

Pieris napi, oviposition deterrents for, plant extracts as 7338

Pieris rapae

- amino acids in, effects of parasitism on 1148
- Bacillus thuringiensis* in
 - effects of 3142
 - effects of food-plant on susceptibility to 4459
- biology of 2915
- control of
 - Bacillus thuringiensis* for 471, 1441
 - crop management for 7582
 - insecticides for 1441, 6758, 6965
 - integrated 7340
 - descriptions of 3649
 - enzymes in 6511
 - granulosis virus in, and biological control using, in Canada 471
 - in Australia 6965
 - in Canada 350, 471
 - in New Zealand 3649
 - in Taiwan 4226
 - in UK 5597, 7582
 - in USA 1441, 2915, 3653–3654, 4931
 - in USSR 6758, 6767, 7340
 - life-cycle of 3649
 - Nomuraea rileyi* in, pathogenicity of 7487
- on broccoli, in Nova Scotia 350
- on brussels sprouts
 - effects of intra-crop diversity on 7582
 - in England 5597, 7582
 - in Nova Scotia 350
 - resistance to 5597
- on cabbage
 - in Moldavia 7340
 - in New South Wales 6965
 - in New York 3654
 - in Nova Scotia 350
 - in South Carolina 1441
 - resistance to 3654
- on cauliflower
 - in New York 3654
 - in Nova Scotia 350
 - resistance to 3654
- on Cruciferae
 - damage caused by 3649
 - in New Zealand 3649
 - in North Carolina 2915
- on garden vegetables, in USSR 6758
- on kale
 - effects of habitat on 3653
 - in New York 3653, 4931
- on *Tropaeolum*
 - damage caused by 3649
 - in New Zealand 3649
- oviposition deterrents for, plant extracts as 7338
- oviposition preferences in 350
- parasites of, effects of insecticides on 6965

***Pieris rapae* contd.**

parasitised by

Apanteles glomeratus
in New South Wales 6965
in USSR 6767

A. rubecula, in USSR 6767

Brachymeria femorata 1148
in USSR 6767

Hyposoter ebeninus, in USSR 6767

Pteromalus puparum, in USSR 6767

Trichogramma spp., in Caucasus 6767

preyed on by

Cantheconidea furcellata 4227
in Taiwan 4226

pupal development in 1148

Pieris rapae crucivoracontrol of, *Bacillus thuringiensis* for 3849

diapause in 577

granulosis virus in 1816
in Japan 4133

in Japan 1816, 1886–1887, 2236, 4133

Nosema mesnili in
in Japan 2236

pathogenicity of 2236

parasites of, in Kagawa Prefecture
1886–1887

parasitised by

Apanteles glomeratus 792
in Okinawa Prefecture 1816, 4133
Pteromalus puparum 1816
in Japan 4133

population dynamics of 1816, 4133

rearing of, diets for 1240

Piesma maculatum

control of, insecticides for 4962
in Finland 4962

on sugar-beet, in Finland 4962

Piesma quadratum

Acholeplasma spp. in, replication of
3109

beet crinkle virus in, transmission of,
effects of growth regulators on 3809

control of, plant extracts for 3906
growth regulators in, effects on virus
transmission of 3809

in Poland 1463, 6782, 6928

on root crops, in Poland 6782
on sugar-beet

damage caused by 6928
in Poland 6928

stylets in, amputation of 2551

Piesmatidae*, stylets in, amputation of 2551**Piezodorus guildinii***

control of, insecticides for 367
in Brazil 367, 1457

on soy bean

damage caused by 1457
in Brazil 367, 1457

Piezotrachelus varius

control of 6231
in Nigeria 6231

***Piezotrachelus varius* contd.**on *Vigna unguiculata*, in Nigeria 6231**Pig (*Sus scrofa domestica*)**

diazinon in, metabolism of 5202

paraaxon in, metabolism of 3330

parathion in, metabolism of 3330

Pigeon (*Columba livia*)

carbamates in, esterase inhibition by
6405

carbophenothion in, toxicity of 3919

Pigeon pea (see *Cajanus cajan*)**Pigweed (see *Amaranthus*)*****Pikonema alaskensis* (see *Pachynematus*)*****pilicornis*, *Cinara*, (*Cinaropsis*)*****pilicornis*, *Loricera******pilipes*, *Trichopoda pennipes*****Pillbug (see *Oniscoidea*)*****pilleriana*, *Sparganothis******pilosa*, *Cotterellia*, (*Eurycranium*)*****pilosa*, *Icerya******pilosella*, *Arenetra******pilosulus*, *Alydus******pilosus*, *Paratetranychus* (see *Panonychus ulmi*)****Pimaric acid, antifeedant for, *Neodiprion rugifrons* 5765*****Pimephales*, dieldrin in, residues of 7671*****Pimpinella anisum*, insect pollinators of, in Egypt 2765*****Pimpinella anisum* (stored fruit), *Lasioderma serricorne* in, development of 4096*****Pimpla*, parasitising, *Lymantria dispar*, in Europe 3168*****Pimpla examinitor* (see *Coccygomimus turionellae*)*****Pimpla inquisitor* (see *Gregopimpla*)*****Pimpla instigator***

Bacillus thuringiensis in, effects of 6006
host recognition in 199

hosts of, selection of 6006

in USSR 5458, 6832

parasitising

Agrotis segetum, in Uzbekistan 5458

Mamestra brassicae 6006

Mythimna unipuncta 6006

Pieris brassicae 199, 6006

Spodoptera litura 6006

Tortrix viridana, in Russian Republic
6832

Pimpla marginella

in Dominican Republic 7224

parasitising, *Calisto pulchella*, in
Dominican Republic 7224

***Pimpla turionellae* (see also *Coccygomimus turionellae*)**

in USSR 6818

parasitising, *Yponomeuta rorellus*, in
Ukraine 6818

Pimplopterus dubius

intraspecific competition in 4220

parasitising, *Epinotia tedella* 4220

- Pinacodera*, preying on, *Mocis* spp., in Florida 4283
- Pine (see *Pinus*)
- Pine, Austrian (see *Pinus nigra*)
- Pine, black (see *Pinus nigra*)
- Pine, cedar (see *Pinus cembra*)
- Pine, Crimean (see *Pinus nigra*)
- Pine, hoop (see *Araucaria cunninghamii*)
- Pine, jack (see *Pinus banksiana*)
- Pine, Japanese black (see *Pinus thunbergii*)
- Pine, Japanese red (see *Pinus densiflora*)
- Pine, loblolly (see *Pinus taeda*)
- Pine, lodgepole (see *Pinus contorta*)
- Pine, longleaf (see *Pinus palustris*)
- Pine, maritime (see *Pinus pinaster*)
- Pine, Monterey (see *Pinus radiata*)
- Pine, mugho (see *Pinus mugo*)
- Pine oil, *Sirex noctilio* antennal responses to 6423
- Pine, pinyon (see *Pinus monophylla*)
- Pine, pitch (see *Pinus rigida*)
- Pine, ponderosa (see *Pinus ponderosa*)
- Pine, red (see *Pinus resinosa*)
- Pine, sand (see *Pinus clausa*)
- Pine, Scots (see *Pinus sylvestris*)
- Pine, shortleaf (see *Pinus echinata*)
- Pine, slash (see *Pinus elliottii*)
- Pine, spruce (see *Pinus glabra*)
- Pine, Swiss stone (see *Pinus cembra*)
- Pine, Virginia (see *Pinus virginiana*)
- Pine, western white (see *Pinus monticola*)
- Pine, white (see *Pinus strobus*)
- pinea*, *Cinara*
- Pineapple (*Ananas comosus*)
- Dolichotetranychus floridanus* on, in Brazil 6550
- Dysmicoccus brevipes* on
- in Malaya 853
- in Taiwan 3645
- mites on, in South Africa 2908
- Steneotarsonemus ananas* on, in South Africa 2908
- Pineapple fields, mirex in, residues of 7665
- Pineapple (stored fruit), fumigation of, standards for 6926
- α -Pinene (see Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-)
- β -Pinene (see Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-)
- pineti*, *Schizolachnus*
- Pinetox (see Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-, chlorinated)
- Pinus*
- on *Pinus insularis*, in Meghalaya 1282
- preyed on by
- Leucopis* spp., in Meghalaya 1282
- Tetraphleps raoi*, in Meghalaya 1282
- Pinus orientalis*
- biology of 5676
- control of, insecticides for 5676
- in USSR 5676
- Pinus orientalis* contd.
- on *Pinus*
- damage caused by 5676
- in USSR 5676
- Pinus similis*
- in UK 7417
- life-cycle of 7417
- on *Picea sitchensis*, in England 7417
- Pinfish (see *Lagodon rhomboides*)
- Pingasa ruginaria*
- biology of 3618
- in India 3618
- on *Anacardium occidentale*, in Karnataka 3618
- pini*, *Aritranis*
- pini*, *Cinara*
- pini*, *Diadegma*
- pini*, *Diprion*
- pini*, *Ips*
- pini*, *Oligonychus*
- pini*, *Pauesia*
- pini*, *Pissodes*
- pini*, *Prociphilus*
- piniarius*, *Bupalus*
- pinicola*, *Luperus*
- pinicola*, *Xyleborus*
- pinifoliae*, *Phenacaspis*
- (*Chionaspis*)
- piniperda*, *Tomicus*
- (*Blastophagus*)
- (*Myelophilus*)
- piniradiatae*, *Schizolachnus*
- pinivorus*, *Mecostibus*
- Pink (see *Dianthus*)
- Pinnaspis aspidistrae*
- in Colombia 5532
- on *Citrus*, in Colombia 5532
- on *Desmodium*, in Colombia 5532
- on geranium, in Colombia 5532
- on guava, in Colombia 5532
- on *Pithecolobium saman*, in Colombia 5532
- Pinnaspis buxi*
- in São Tomé 2846
- on coconut, in São Tomé 2846
- Pinnaspis strachani*
- in Colombia 5532
- in Uganda 3362
- on *Citrus*, in Colombia 5532
- parasitised by, *Arrhenophagus chionaspidis*, in Uganda 3362
- Pinocarveol (see Bicyclo[3.1.1]heptan-3-ol, 6,6-dimethyl-2-methylene-)
- Pinocarvone (see Bicyclo[3.1.1]heptan-3-one, 6,6-dimethyl-2-methylene-)
- Pinolene, extender for, carbaryl 5585
- Pinus*
- bark beetles on, in Sweden 4418
- Bursaphelenchus lignicolus* in, in Japan 1073
- Cinara pinea* on, in East Germany 1307
- C. pini* on, in East Germany 1307

Pinus contd.

- Cryphalus fulvus* on 1519, 1784
Dendroctonus frontalis on
 assessing infestations of 2162
 damage caused by 5024
 in North Carolina 5090
 in Texas 2162, 5024, 5028
Dendrolimus pini on
 forecasting infestations of 5697
 in Bashkiria 5697
D. spectabilis on, in Japan 605
Dioryctria abietella on, in USSR 5693
Ectropis bistortata on, in West Germany 5738
Exoteleia dodecella on
 in Byelorussia 7441
 resistance to 7441
Gilpinia pallida on, in Austria 2296
Graellsia isabellae on, in Spain 6583
Graphognathus leucoloma on, in New Zealand 3605
Heliothis armigera on
 damage caused by 3691
 in New Zealand 3691
Hyllobius abietis on, in West Germany 3071
Hylurgus ligniperda on, in New Zealand 5004
 insect pests of, in West Germany 5684
Ips acuminatus on, in Thailand 3482
I. amitinus on, in Finland 4422
I. avulsus on
 in Texas 6833
 in USA 413
I. calligraphus on
 in Texas 6833
 in USA 413
I. chalcographus on, in Sweden 425
I. grandicollis on
 attraction of 7411
 in Texas 6833
 in USA 413
I. sexdentatus on, in Thailand 3482
Luperus pinicola on, in West Germany 4420
Lymantria monacha on
 in Denmark 5003
 in USSR 1878
 in West Germany 2266, 3070
Microdiprion pallipes on, in West Germany 929
Monochamus alternatus on
 ethane preventing feeding by 1073
 in Japan 1073
Myelophilus destruens on, in Spain 419
Neodiprion sertifer on
 in Ontario 4800
 in USSR 5670
 in Yugoslavia 204
Oligonychus pini on 6815
 pest control on 5113
 pests of, in West Germany 3762

Pinus contd.

- Petrova resinella* on, in USSR 5453
Pineus orientalis on
 damage caused by 5676
 in USSR 5676
Pissodes validirostris on, in USSR 5693
Platypus biflexuosus on, in Thailand 3482
Polygraphus aterrimus on, in Thailand 3482
Rhyacionia buoliana on
 effects of essential oils on 3049
 effects on resin of 2123
 in Missouri 4393
 in Ontario 1283
 in Ukraine 3049
 in USSR 5453
R. duplana on, in Spain 4395
R. frustrana on, in Missouri 4393
R. rigidana on, in Missouri 4393
Schizolachnus pineti on, in East Germany 1307
 termites on, in Malaya 3560
Thecodiplosis brachyntera on
 damage caused by 6829
 in Czechoslovakia 6829
Tomicus destruens on, in France 604
T. minor on 3050
 in Poland 5006
 in Sweden 425
T. piniperda on 3050
 in Poland 5006
 in Sweden 425
Trichosporium tingens in, in Poland 5006
Trypodendron lineatum on, in Sweden 425
Xyleborus pinicola on, in Thailand 3482
X. saxeseni on
 in Switzerland 3543
 in West Germany 3543
Pinus banksiana
 antifeedant activity of extracts of 4410
 antifeedant activity of foliar extracts of 5765
Choristoneura pinus on, in Michigan 920, 3479
Conophthorus banksianae on
 damage caused by 3746
 distribution pattern of 2124
 in Michigan 2124, 3746
Dasychira plagiata on
 in Minnesota 4390
 in Wisconsin 4390
Diprion similis on, development of 6214
Neodiprion spp. on 2542
N. lecontei on, development of 6214
N. nigroscutum on, development of 6214
N. pratti on 910
N. rugifrons on 3065
 feeding by 4410
 foliar extracts as antifeedants for 3203

Pinus banksiana* contd.Neodiprion* contd.*N. sertifer* on

development of 6214

in Ontario 5034, 7415

N. swaini on 910

development of 3065

foliar extracts as antifeedants for 3203

in Quebec 5452, 5682

Phytocoris discoidalis on, in Pennsylvania 1723*P. schuykillensis* on, in Pennsylvania 1723***Pinus brutia*, *Rhyacionia buoliana*** on, in Greece 7419***Pinus canariensis*, *Ernobius mollis*** on, in Canary Islands 5223***Pinus caribaea*, *Neodiprion merkei*** on, in Bahamas 5377***Pinus cembra****Ips bistridentatus* on, in Switzerland 3747*Pissodes pini* on, in Switzerland 3747*Pityophthorus knotecki* on, in Switzerland 3747*Zeiraphera diniana* on 2163

in Switzerland 3747

pinus*, *Choristoneura***Pinus clausa****Acantholyda apicalis* on, in Florida 3760*A. circumcincta* on, in Florida 3760*A. floridanus* on, in Florida 3760

carbaryl in, toxicity of 4413

Dendroctonus frontalis on, in Florida 3759*Rhyacionia frustrana* on, in Georgia (USA) 4413***Pinus contorta****Acantholyda flaviceps* on, in Finland 3770*Coleotechnites milleri* on, in USA 5664*C. starki* on, in USA 5664*Coloradia pandora* on, in USA 5664*Dendroctonus ponderosae* on

abandoned galleries of 5688

forecasting infestations of 5010

in USA 1512, 5664

in Utah 5688

Monochamus spp. on distribution pattern of 4414

in Alberta 4414

Pissodes terminalis on

in Idaho 418

in USA 5664

Rhyacionia buoliana on, in West Germany 202***Pinus densiflora****Dioryctria sylvestrella* on, in Fukuoka Prefecture 3044

ethane in 1073

Petrova cristata on, in Fukuoka Prefecture 3044***Pinus densiflora* contd.**

phloem components in 3755

Rhyacionia simulata on, in Fukuoka Prefecture 3044*Taenioglyptes fulvus* in 6210***Pinus echinata****Dendroctonus frontalis* on

in Florida 3759

in Georgia (USA) 3759

Leptoglossus corculus on, damage caused by 1507***Pinus elliotii****Acantholyda apicalis* on, in Florida 3760*A. circumcincta* on, in Florida 3760*A. floridanus* on, in Florida 3760*Asynapta keeni* on, in Florida 5669*Cydia anaranjada* on, in USA 911*Dendroctonus frontalis* on, in Florida 3759*Dioryctria* spp. on damage caused by 3775

in Florida 3775

insect pests of distribution pattern of 5679

in Florida 5679

Ips avulsus on 5335*Lobodiplosis triangularis* on, in Florida 5669*Mycodiplosis silvana* on, in Florida 5669*M. thoracica* on, in Florida 5669*Rhyacionia frustrana* on, in Florida 3032*R. subtropica* on, in Florida 3032-3033***Pinus glabra*, *Dendroctonus frontalis*** on, in Florida 3759***Pinus halepensis****Penichroa fasciata* on 2179*Rhyacionia buoliana* on, in Greece 7419***Pinus insignis*** (see *P. radiata*)*Pinus insularis*, *Pineus* spp. on, in Meghalaya 1282***Pinus jeffreyi****Ips paraconfusus* on, in California 4638*I. pini* on, in California 4638***Pinus kesii*, *Phloeosinus kesii*** on, in Thailand 7029***Pinus lambertiana****Dendroctonus ponderosae* on, in California 918*Pityophthorus confertus* on, in California 918***Pinus laricio*** (see *P. nigra*)***Pinus leiophylla*, *Dendroctonus frontalis*** on, in Mexico 3042***Pinus maritima*** (see *P. pinaster*)***Pinus massoniana*, *Dendrolimus punctatus*** on, in Vietnam 3740***Pinus maximinoi*, *Dendroctonus* spp.** on, in Guatemala 925***Pinus merkusii*, *Dendrolimus punctatus*** on, in Vietnam 3740***Pinus monophylla*, *Conophthorus monophyllae*** on, in California 194

- Pinus monticola*, *Dendroctonus ponderosae* on, in Washington 5658
- Pinus mugo***
carbofuran in, metabolism of 3908
Microdiprion pallipes on, in West Germany 928
Phenacaspis pinifoliae on, in Quebec 1513
Rhyacionia buoliana on, in British Columbia 2154
Thecodiplosis brachyntera on, in Czechoslovakia 429
- Pinus nigra***
Cinara spp. on, in Italy 6625
Ernobius fulvus on, in Italy 5223
Eulachnus spp. on, in Italy 6625
Psylla pyrisuga on, in Crimea 7316
Rhyacionia buoliana on
in British Columbia 2154
in Greece 7419
in Spain 6846
R. duplana on, in Spain 1523
Schizolachnus spp. on, in Italy 6625
- Pinus oocarpa*, *Dendroctonus frontalis* on, in Honduras 3042
- Pinus pallasiana* (see *P. nigra*)
- Pinus palustris***
Asynapta keeni on, in Florida 5669
Dendroctonus frontalis on, in Florida 3759
Dioryctria amatella on, in Georgia (USA) 2150
D. clarioralis on, in Georgia (USA) 2150
D. disclusa on, in Georgia (USA) 2150
Hylobius pales on, in South Carolina 3034
Mycodiplosis silvana on, in Florida 5669
M. thoracica on, in Florida 5669
Pachylobius picivorus on, in South Carolina 3034
- Pinus patula***
Imbrasia cytherea on, in South Africa 1506
Mecostibus pinivorus on, on Rhodesia 6435
- Pinus pinaster***
Acantholyda hieroglyphica on, in Portugal 1505
Myelophilus destruens on 419
Rhyacionia buoliana on, in Greece 7419
R. duplana on, in Spain 1523
- Pinus pinea***
Myelophilus destruens on 419
Rhyacionia duplana on, in Spain 1523
- Pinus ponderosa***
Choristoneura occidentalis on, in USA 5009
Dendroctonus brevicornis on, resistance to 3765
D. ponderosae on
host selection by 7414
in USA 4411
- Pinus ponderosa* contd.**
Dendroctonus ponderosae on contd.
in Washington 5658
Ips paraconfusus on 1144
in California 4406, 4638
I. pini on
in Arizona 5667
in California 4638
Melanophila drummondi on, in Washington 1511
M. gentilis on, in Washington 1511
Rhyacionia buoliana on, in British Columbia 2154
R. neomexicana on
damage caused by 3066
distribution pattern of 3766
in Arizona 3766
in Colorado 6844
Sirex juvencus on, in USA 3741
Xeris spectrum on, in USA 3741
- Pinus ponderosa* (timber), *Dendroctonus ponderosa* in, in Colorado 4446**
- Pinus radiata***
Acantholyda hieroglyphica on, in Portugal 1505
Heliothis armigera on 1517
Hyalartica huebneri on, in Queensland 6206
Lymantria dispar on, in Spain 2142
Pseudocoremia suavis on 1517
Rhyacionia buoliana on, in Greece 7419
R. duplana on, in Spain 1523
R. frustrana on
in California 3040
in Georgia (USA) 3040
Sirex noctilio on 2216
in Australia 188
in Tasmania 3073
resistance to 3073
- Pinus radiata* (timber)**
Coptotermes acinaciformis in 2175
C. lacteus in 2175
termite control in, creosotes for 2175
- Pinus resinosa***
Aphrophora saratogensis on, in Michigan 2125
Choristoneura pinus on, in Minnesota 6839
Dasychira plagiata on
in Minnesota 4390
in Wisconsin 4390
Dioryctria disclusa on, in Minnesota 6839
D. zimmermani on, in Minnesota 6839
Diprion similis on, development of 6214
Eucordylea spp. on, in Minnesota 6839
Hylobius radialis on
distribution pattern of 5036
in Michigan 5036
Lachnosterna spp. on, in Michigan 1518
Neodiprion lecontei on, development of 6214

Pinus resinosa* contd.**Neodiprion* contd.***N. nigroscutum* on, development of 6214***N. sertifer* on**

development of 6214

distribution pattern of 5037

in Michigan 5037

in Ontario 5034, 7415

***Phyllophaga* spp. on**

effects on yield of 6837

in USA 6837

Schizolachnus piniradiatae* on, in Ontario 6890**Xyela minor* on, in Minnesota 6839*****Pinus rigida******Lambdina pellucidaria* on, in**

Massachusetts 3054

***Phytocoris schuykillensis* on, in**

Pennsylvania 1723

Pinus rotundata*, *Microdiprion pallipes* on, in West Germany 930**Pinus strobus******Diprion similis* on, development of 6214*****Hylobius pales* on**

in Georgia (USA) 5659

in North Carolina 5659

rearing of 4730

Hymenoptera on, in West Germany 3055***Megastigmus atedius* on, in North**

Carolina 3064

***Neodiprion lecontei* on 910**

development of 6214

N. nigroscutum* on, development of 6214**N. sertifer* on, development of 6214*****Pachylobius picivorus* on**

in Georgia (USA) 5659

in North Carolina 5659

***Pissodes strobi* on**

assessing infestations of 5001

effects of antitranspirant on 4412

in Connecticut 5001

in Maine 4412

in Maryland 927

silicones in, effects of 4412

Pinus sylvestris***Aradus cinnamomeus* on**

damage caused by 5691

in Ukraine 432

***Dioryctria zimmermani* on**

in Michigan 6838

resistance to 6838

Diprion pini* on, in Austria 5008**D. similis* on**

development of 6214

feeding by 7424

in Austria 5008

***Ernobius laticollis* on**

damage caused by 3048

in Austria 3048

***Eucosma gloriola* on**

in Michigan 3864

Pinus sylvestris* contd.**Eucosma gloriola* on contd.**

resistance to 3864

***Exoteleia dodecella* on, in Poland 7420**extracts of, *Lymantria dispar* feeding

responses to 4112

Gilpinia pallida* on, in Austria 5008**Graellsia isabellae* in 1161*****Ips sexdentatus* on, effects of water**

content on 2514

I. trepanatus* on, in England 7416**Luperus pinicola* on, in West Germany 4420*****Microdiprion pallipes* on 929**

in West Germany 930

***Monochamus galloprovincialis* on, in**

Poland 7423

Neodiprion lecontei* on, development of 6214**N. nigroscutum* on, development of 6214*****N. sertifer* on**

development of 6214

distribution pattern of 5037

in Michigan 5037

in Ontario 5034, 7415

resistance to 2145

Phaenops cyanea* on, in West Germany 5007**Phenacaspis pinifoliae* on, in Quebec 1513**

phloem components of 3345-3346

***Phytocoris schuykillensis* on, in**

Pennsylvania 1723

Pissodes strobi* on, in Ontario 1065**Prociophilus pini* on, in Denmark 6830*****Rhyacionia buoliana* on**

in Spain 6846

in West Germany 202, 1633

R. duplana* on, in Spain 1523*Siricidae on, in Europe 2151*****Urocerus gigas* on, in Northern Ireland 4154*****Pinus sylvestris* (timber), termites in, effects of soft-rot fungi on 7210*****Pinus taeda******Acantholyda apicalis* on, in Florida 3760*****A. circumcincta* on, in Florida 3760**

acephate in, systemic activity of 3901

***Dendroctonus frontalis* on 60**

distribution pattern of 5668

effects of host and site on 5026

in Florida 3759

in Georgia (USA) 3759

in Texas 3042, 5026, 5668, 7418

in USA 5022

in Virginia 3042

***D. terebrans* on 60**

in Texas 5026

***Hylobius pales* on 923**

antifeedants for 1520

in North Carolina 7425

in South Carolina 3034

Pinus taeda* contd.Ips* spp. on, in Georgia (USA) 1273*I. grandicollis* on, in North Carolina 2146**Lepidoptera on**

damage caused by 5686

in Georgia (USA) 5686

Leptoglossus corculus on, damage caused by 1507*Pachylobius picivorus* on

in North Carolina 7425

in South Carolina 3034

Rhyacionia buoliana on, in Greece 7419*R. frustrana* on

in Georgia (USA) 2149

in Maryland 206

R. rigidana on, in Georgia (USA) 2149***Pinus tenuifolia* 925***Dendroctonus frontalis* on, in Guatemala 3042***Pinus thunbergii****Dioryctria sylvestrella* on, in Fukuoka

Prefecture 3044

Petrova cristata on, in Fukuoka Prefecture 3044*Rhyacionia simulata* on, in Fukuoka

Prefecture 3044

***Pinus* (timber)**

termites in, effects of Basidiomycetes on 4234

Trypodendron lineatum in damage caused by 2177

in Finland 2177

Pinus tropicalis*, *Ips grandicollis* on, in Cuba 4150**Pinus virginiana***

carbaryl in, toxicity of 4413

Phytocoris discoidalis on, in Pennsylvania 1723*Rhyacionia frustrana* on, in Georgia (USA) 4413*Setoptus exmaculatus* on, in Ohio 3985***Pinus yunnanensis*, *Reticulitermes****chayuensis* on, in Tibet 1922***Piocoris erythrocephala***

in Turkey 6602

preying on, *Tetranychus urticae*, in Turkey 6602***Pionea forficalis* (see *Evergestis*)*****Piophilha casei***

in smoked meat 1249

repair processes in, effect of temperature on 2461

Piper betle*, *Pachypeltis politum* on, in Karnataka 7383**Piper nigrum****Diconocoris nepalensis* on, in Thailand 1200*Longitarsus nigripennis* on, in Kerala 1928**Piperazine, 1-[(4-chlorophenyl)phenylmethyl]-4-methyl- (see Chlorcyclizine)****Piperidine, 1-(3-chlorobenzoyl)-3-methyl-, repellent for, *Tribolium confusum* 3930****Piperidine, 2-methyl-1-(3-methylbenzoyl)-, repellent for, *Tribolium confusum* 3930****Piperitone (see 2-Cyclohexen-1-one, 3-methyl-6-(1-methylethyl)-)****Piperonal (see 1,3-Benzodioxole-5-carboxaldehyde)****Piperonyl butoxide (5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-1,3-benzodioxole)**in *Megachile pacifica*

effects of 1662

effects on carbaryl metabolism of 1667

in mouse, inhibiting photodieldrin

metabolism 3298

in mouse intestine, not inhibiting active transport of glucose 1686

in *Musca domestica*, inhibiting photodieldrin metabolism 3298in *Oncopeltus fasciatus*, effects on activity of JH mimics of 1128

in rat, inhibiting photodieldrin metabolism 3298

in soy bean, inhibiting phorate sulfoxidation 3920

in *Tenebrio molitor*, effects on activity of JH mimics of 1128

synergist for

bioethanmethrin 7469

bioresmethrin 5750, 5798, 5987, 6276, 7469, 7594

carbaryl 1662, 3903

cismethrin 5750, 5798

diazinon 3903, 6507

methoprene 5941

permethrin 5987

pyrethrins 510, 1672, 3083, 3930,

5055, 5702, 5798

 α, α, α -trifluoroacetophenone oxime

carbamates and thiophosphates 1034

pipiens*, *Culex**Piprotal (5-[bis[2-(2-butoxyethoxy)ethoxy]methyl]-1,3-benzodioxole)**adopted as common name in *RAE*, p. 9

synergist for, pyrethrins 3083

Pipunculidae, parasitising,*Auchenorrhyncha*, in UK 195***Pipunculus javanensis***

in Taiwan 2801, 4862

parasitising

Nephotettix cincticeps, in Taiwan

2801, 4862

Nilaparvata lugens, in Taiwan 2801***Pipunculus mutillatus***

in Taiwan 2801

parasitising

Nephotettix cincticeps, in Taiwan

2801

Nilaparvata lugens, in Taiwan 2801

Pipunculus orientalis

in Taiwan 2801

parasitising

Nephotettix cincticeps, in Taiwan
2801*Nilaparvata lugens*, in Taiwan 2801**Pipunculus roralis**

in Taiwan 2801

parasitising

Nephotettix cincticeps, in Taiwan
2801*Nilaparvata lugens*, in Taiwan 2801**Piragy** (see Aldrin)**piri**, *Aphanostigma***piri**, *Sappaphis***Pirimicarb** (2-(dimethylamino)-5,6-dimethyl-4-pyrimidinyl dimethylcarbamate)
against*Acyrtosiphon pisum* 2262, 3915
on pea 3155

aphids

on *Capsicum* 978

on tobacco 7399

Brevicoryne brassicae, on cabbage
4921*Macrosiphum euphorbiae*, on lettuce
4557, 4925*M. rosae*, on rose 1499*Myzus persicae* 7576, 7613
on cabbage 4921on *Capsicum annuum* 3695

on carrot 4921

on lettuce 4557, 4925

on peach 7321

on tobacco 397

Pemphigus bursarius 2912*Pieris brassicae* 2042*Tetranychus urticae*, on violet 908*Thrips tabaci*, on tobacco 7399*Uroleucon pseudambrosiae*, on lettuce
4925in *Adonia variegata*, toxicity of 1499in *Chrysopa*, toxicity of 3915in *Chrysopa carnea*, toxicity of 1499in *Coccinella septempunctata*, toxicity of
1499, 3294, 3955in *Dicyphus eckerleini*, toxicity of 3294in *Episyrphus balteatus*, toxicity of 1499,
3955in *Hippodamia convergens*, toxicity of
3915in *Macrolophus rubi*, toxicity of 3294in *Metasyrphus corollae*, toxicity of 3955in *Metasyrphus luniger*, toxicity of 3955in *Nabis*, toxicity of 3915in *Orius*, toxicity of 3915in *Phasianus colchicus*, esterase inhibition
by 6405

in pigeon, esterase inhibition by 6405

in *Thaumatomyia*, toxicity of 6018**Pirimicarb** *contd.*

with cyhexatin

against

Brevicoryne brassicae, on cabbage
4921

mites, on cabbage 4921

in *Coccinella septempunctata*, toxicity
of 3955with dioxathion, against, *Phytomyza**syngenesiae*, on chrysanthemum 3938

with tetrachlorvinphos

against

Brevicoryne brassicae, on cabbage
4921

Lepidoptera, on cabbage 4921

Pirimiphos-ethyl (*O*-[2-(diethylamino)-6-methyl-4-pyrimidinyl] *O,O*-diethyl phosphorothioate)
against*Agriotes* spp. 2281

on sugar-beet 2663

Blissus insularis, on *Stenotaphrum*
secundatum 2822*Cosmopolites sordidus*, on banana 343*Curculio sayi*, on *Castanea mollissima*
4896*Delia* spp., on *Phaseolus vulgaris* 5604*Herpetogramma phaeopteralis*, on*Cynodon dactylon* 2822*Heteronychus arator* 6958*Hylemya antiqua*, on onion 2652, 3948*H. brassicae*, on cabbage 351, 2918*H. platura*, on *Phaseolus vulgaris* 3951*Melolontha melolontha* 2281*Psila rosae*, on carrot 2955, 3946

in carrot, effects of 2955

in soil, degradation of 4581

with drazoxolon, against, *Hylemya**platura*, on *Phaseolus vulgaris* 3951**Pirimiphos-methyl** (*O*-[2-(diethylamino)-6-methyl-4-pyrimidinyl] *O,O*-dimethyl phosphorothioate)
against*Acarus farris*, in stored barley 1561*A. siro* 5177, 7594

in stored barley 1561

in stored wheat 5800

Aelia spp., on wheat 1940*Aphis fabae* 1663*Brevicoryne brassicae*, on cabbage
4921*Cnephasia pasiuana* 271*Crociodolomia binotalis*, on cabbage
730*Dysdercus fasciatus* 389*Empoasca decipiens* 3510*Ephestia cautella* 2650*Epilachna varivestis* 1663*Eurygaster* spp., on wheat 1940*Glycyphagus destructor* 7594

in stored barley 1561

in stored wheat 5800

Pirimiphos-methyl contd.

against contd.

- Lasioderma serricorne* 1547
 Lepidoptera, on cabbage 4921
Leptinotarsa decemlineata 3205
 on potato 4969, 5629
Listronotus oregonensis 877
Meligethes aeneus, on rape 1663
Ophiomyia phaseoli, on *Phaseolus vulgaris* 729
Oryzaephilus spp., in stored almonds 3796
O. surinamensis 5177
 pests of stored maize 6232
 pests of stored products 6283
 pests of stored rice 6295
 pests of *Vigna unguiculata* 2257
Plodia interpunctella 2166
 in stored almonds 3796
Plutella xylostella, on cabbage 730
Pristiphora abietina, on *Picea abies* 1525
Rhizoglyphus echinopus, in freesia corms 5411
Rhyzopertha dominica 448, 5052
Sitophilus oryzae 448, 1025
Sitotroga cerealella
 in stored maize 3791
 in stored rice 5052
Stenotarsonemus laticeps, in *Narcissus* bulbs 5411
Tetranychus urticae 1004
Trialetrodes vaporariorum 490, 3937
 on tomato 5633
Tribolium spp., in stored almonds 3796
T. castaneum 448, 1025, 5052
T. confusum 448
Tyrophagus longior, in stored barley 1561
T. putrescentiae 7594
 in stored wheat 5800
Udea ferrugalis 3510
 in cheese, residues of 1651
 in *Coccinella septempunctata*, toxicity of 3955
 in *Episyrphus balteatus*, toxicity of 3955
 in maize grain, residues of 6292
 in *Metasyrphus corollae*, toxicity of 3955
 in *Metasyrphus luniger*, toxicity of 3955
 in *Sitophilus oryzae*, effects of diet on susceptibility to 1025
 in sorghum grain, residues of 6292
 in stored almonds, residues of 3796
 in stored maize
 persistence of 1672
 residues of 448
 in stored wheat, residues of 448
 in *Thaumatomyia*, toxicity of 6018
 in *Tribolium castaneum*, effects of diet on susceptibility to 1025
 in *Vigna unguiculata*, residues of 2257

Pirimiphos-methyl contd.

- in wheat grain, residues of 6271, 6292
 insecticidal activity of 6384
 persistence of 6384
 with silica, against, *Tetranychus urticae*, on *Vicia faba* 1004
Pirimor (see Pirimicarb)
pisi, *Contarinia*
pisi, *Macrosiphum* (see *Acyrtosiphon pisum*)
pisivorus, *Aphidius*
pisivorus, *Kakothrips*
pisorum, *Bruchus*
Pissodes harcyniae, orientation reactions in 3776
Pissodes notatus
 phagostimulants for, in *Pinus pinaster* 5678
 repellents for, in *Pinus pinaster* 5678
Pissodes pini
 in Switzerland 3747
 on *Pinus cembra*, in Switzerland 3747
Pissodes strobi
 control of
 insecticides for 917
 JH mimics for 1065
 distribution maps for 4153
 egg density of, estimation of 5001
 flight activity in 927
 in Canada 917, 1065
 in USA 927, 4412, 5001
 on *Pinus strobus*
 assessing infestations of 5001
 effects of antitranspirant on 4412
 in Connecticut 5001
 in Maine 4412
 in Maryland 927
 on *Pinus sylvestris*, in Ontario 1065
Pissodes terminalis
 biology of 418
 in USA 418, 5664
 on *Pinus contorta*
 damage caused by 5664
 in Idaho 418
 in USA 5664
Pissodes validirostris
 in USSR 5693
 on *Pinus*, in USSR 5693
Pistachio (see *Pistacia vera*)
Pistacia lentiscus, *Penicchio fasciata* on 2179
Pistacia vera, insects on, in Iraq 4397
pistaciae, *Eurytoma*
Pistia stratiotes
 Episammia pectinicornis on
 and biological control using 1322
 in India 1322
pisum, *Acyrtosiphon*
Pisum sativum (see Pea)
Pithecolobium dulce, *Indarbela* spp. on, in Haryana 2867

- Pithecolobium saman*, *Pinnaspis aspidistrae*
on, in Colombia 5532
- pityocampa*, *Thaumetopoea*
- Pityogenes bistridentatus*, see *Ips* 3747
- Pityogenes chalcographus* (see *Ips*)
- Pityogenes trepanatus* (see *Ips*)
- Pityokteines curvidens* (see *Ips*)
- Pityokteines elegans* (see *Ips*)
- Pityokteines spinidens* (see *Ips*)
- Pityokteines vorontzowi* (see *Ips*)
- Pityophthorus confertus*
in USA 918
on *Pinus lambertiana*, in California 918
- Pityophthorus crinalis*
in USA 1572
on *Rhus radicans*, in Indiana 1572
- Pityophthorus knotecki*
in Switzerland 3747
on *Pinus cembra*, in Switzerland 3747
- Pityophthorus lichtensteini*
in Czechoslovakia 4598
parasitised by, *Entedon nigrini*, in
Czechoslovakia 4598
- placidus*, *Podisus*
- Placonotus testaceus*
in Egypt 451
in flour mills, in Egypt 451
seasonal abundance of 451
- placi*, *Lachnosterna*, (*Phyllophaga*)
- plagiata*, *Dasychira*
- plagiata*, *Tiracola*
- plagiator*, *Ephedrus*
- plagiatus*, *Brahmina*, (*Sophrops*)
- plagicolella*, *Stigmella*
- Plagiometriona clavata*
descriptions of 7140
food-plants of 7140
in USA 7140
taxonomy of 7140
- Plagionotus arcuatus*
in Poland 5662
on *Quercus robur*, in Poland 5662
- Plagionotus detritus*
in Poland 5662
on *Quercus robur*, in Poland 5662
- Plagionotus floralis*
in Bulgaria 1194
population growth in, effects of irrigation
on 1194
- Plagiotrochus suberi*
descriptions of 3751
in Argentina 3751
on *Quercus suber*, in Argentina 3751
- Plagiospherysa*
distribution of 1304
hosts of 1304
- Plagiospherysa trinitatis*
biology of 1304
hosts of 1304
in Trinidad and Tobago 1304
parasitising, *Elasmopalpus lignosellus*, in
Trinidad 1304
- Plagiospherysa trinitatis* contd.
rearing of, techniques for 1304
- Planaphrodes*
gen. n. 3984
in Nearctic region 3984
- Plane (see also *Platanus*)
- planiceps*, *Dyscritulus*
- planicostata*, *Colaspis*
- Plannipennia*, in Poland 2628
- Planococcoides njalensis*
cacao swollen shoot virus in, transmission
of 944
in Nigeria 3015
on cacao, in Nigeria 3015
- Planococcus citri*
biology of 7405
control of 7405
biological 5943
insecticides for 313, 3971, 5943, 6133
in Cyprus 3971
in India 7405
in Italy 5106, 6125, 6132-6133, 6542,
6905
in Peru 701
in Solomon Islands 1472
in South Africa 5943
in USSR 313
natural enemies of, in Italy 5106
on *Citrus* 4302
in Cyprus 3971
in Italy 5106, 6132, 6542, 6905
in Peru 701
on coffee, in India 7405
on *Colocasia esculenta*, in Solomon
Islands 1472
on grapevine 4302
in Azerbaijan 313
in South Africa 5943
on lemon
assessing infestations of 6125
in Italy 6125
on orange, in Italy 6133
on potato, rearing of 6905
parasitised by
Leptomastix dactylopii, and biological
control using, in Italy 6132, 6905
Pauridia peregrina, in Peru 701
preyed on by
Chrysopa zastrowi 4223
Cybocephalus micans 2721
sex pheromone of 5578
extraction of 125
specificity of 6484
taxonomy of
characters distinguishing *P. ficus* and
4302
double immunodiffusion for
distinguishing similar Pseudococcids
and 6445
- Planococcus cryptus* (see *Dysmicoccus*)
- Planococcus dioscoreae*
in Papua New Guinea 5630

- Planococcus dioscoreae* contd.**
on yam, in Papua New Guinea 5630
- Planococcus ficus***
distribution of 4302
on South Africa 4302
on *Citrus* 4302
on grapevine, in South Africa 4302
sex pheromone of, specificity of 6484
taxonomy of 4302
- Planococcus kenyae***
control of, biological 4990
in Kenya 4990
on coffee, in Kenya 4990
- Planococcus vitis*, taxonomy of, sunk to *P. ficus*** 4302
- Planorbis corneus***
endosulfan in, toxicity of 2643
endosulfan metabolites in, toxicity of 2643
- Plant growth regulators**
in *Aphis fabae*, effects of 2625
in *Malacosoma californicum*, effects of 5216
use of, in East Germany, legislation for 2295
- Plant-hoppers, preyed on by, spiders, in Japan** 6065
- Plant pathology, books on** 6563
- Plant protection** 3830, 4488
activities of FAO in 7631
ecological aspects of crop loss assessment in 3258
economic aspects of 5138
energy considerations in 491
EPPO recommendations on new quarantine measures 3875
future research into chemicals for 7620
in Austria 6901
in Latin America 6350
in West Germany 1600
principles for prognosis of infestation and damage to crops by insect pests 4521
projected use of chemicals in 7619
quarantine and 6933
role of EPPO in 2641
role of FAO in 2638
role of insect resistance in 4499
role of IOBC in 2640
role of ISHS in 2642
surveillance and forecasting of pests in East Germany 4520
- Plantaced, in *Pemphigus bursarius*, effects on mycetome of** 1033
- Plantaginaceae, *Pemphigus* spp. on, in Ukraine** 5341
- plantaginea, Dysaphis***
- Plantago*, *Agrotis ipsilon* on, in New Zealand** 3515
- Plantago lanceolata*, *Epiphyas postvittana* on** 4900
- Plantago lanceolata* pollen**
diet component for
Amblyseius largoensis 2714
A. paraki 2714
- Plantain** (see also *Musa paradisiaca* and *Plantago*)
- Plantation crops, pests of, in Malaysia** 2678
- Plants**
acaricides in, residues of 525
ethiofencarb in, determination of 2549
insect damage to 218
insect resistance in 3865, 6366–6367, 6921
role of hairs in 4517
insecticidal activity of 6033
insecticides in, residues of 525
ion distribution in, use of Homoptera for determination of 4678
pest and disease management on 6594
soil-borne pathogens of, control of 6371
thiofanox in, determination of 4582
- Plantvax** (see Oxycarboxin)
- Plastotorymus cothurnata* (see *Paraholaspis*)**
- Plataculus capsicellus***
sp. nov., description of 2325
on *Capsicum* 2325
- platanoides, Drepanosiphum***
- Platanus***
Corythucha ciliata on
in Italy 3069
in Yugoslavia 3069, 6823
- Platanus occidentalis, Erythroneura* spp. on** 3767
- Plataspidae, taxonomy of** 7035
- platensis, Aphidius* (see *A. colemani*)**
- platensis, Lysaphidus***
- Plathypena scabra***
control of
baits for 2923
development inhibitors for 2934
insecticides for 2923
- Entomophthora* spp. in, in South Carolina** 3822
- granulosis virus in**
in Iowa 1916
in South Carolina 2058, 3822
in USA 1916, 2056, 2058, 2923, 2934–2935, 3671, 3822, 4210, 7487
- Mermithidae in, in Iowa** 1916
- Nomuraea rileyi* in**
and biological control using, in North Carolina 3671
in Missouri 2056
in South Carolina 3822
pathogenicity of 7487
on lucerne, in Iowa 1916
on soy bean
assessing infestations of 2935
effects on photosynthesis of 6163
in Georgia (USA) 2923, 2934
in Iowa 1916

***Plathypena scabra* contd.**

on soy bean contd.

in Missouri 2056

in North Carolina 3671

in South Carolina 2058, 2935, 3822

in USA 7487

on *Trifolium*, in Iowa 1916

parasites of, in Iowa 1916

parasitised by, *Chaetophlepsis**plathypenae*, in USA 4210***plathypenae*, *Chaetophlepsis******Platichthys stellatus***, DDE in, residues of 6409***platneri*, *Trichogramma******platura*, *Delia***

(Hylemya)

(Phorbia)

platycauda*, *Limnoria***Platycheirus peltatus***

emergence in 7105

in Czechoslovakia 7105

in Poland 185

in cabbage fields, in Czechoslovakia 7105

overwintering in 7105

preying on

aphids 7105

in Poland 185

Platycheirus scutatus

emergence in 7105

in Czechoslovakia 7105

in cabbage fields, in Czechoslovakia 7105

overwintering in 7105

preying on, aphids 7105

Platycleis grisea, development in 5416***Platyedra gossypiella*** (see *Pectinophora*)***Platygaster***, parasitising, *Orseolia oryzae*, in Thailand 3596***Platygaster manto***

biology of 4389

descriptions of 4389

in West Germany 4389

parasitising, *Agevillea abietis*, in West Germany 4389***Platygaster oryzae***

in Sri Lanka 536

in Thailand 3596

insecticides in, toxicity of 536

parasitising

Orseolia oryzae, in Thailand 3596*Pachydiplosis oryzae*, in Sri Lanka 536***Platygaster zosine***

in USSR 5492

parasitising, *Mayetiola destructor*, in

Kazakhstan 5492

Platygasteridae, in India 5831***Platyeris biguttata***

life history of 1308

oviposition in 1308

Platynota stultana

attractants for 4637

in USA 3490, 4637, 5438

parasitised by, *Goniozus platynotae*, in California 5438sex pheromone of, identity of 4637
traps for 3490***platynotae*, *Goniozus******Platynotini***

defensive behaviour in 2403

defensive secretion in 2403

Platynychus formosanus*, *Metarhizium*anisopliae* in, pathogenicity of 255***Platypeplus aprobola***

food-plants of 7330

in India 7330

on guava, in Tamil Nadu 7330

Platycleura, in Japan 1085***Platycleura albivannata***

sp. n., description of 1085

food-plants of 1085

in Japan 1085

Platypodidae

flight activity in 642

in Samoa 5674

in Thailand 7029

in Zaïre 6555

on *Araucaria cunninghamii*, in Papua New Guinea 642

traps for 642

platypterus*, *Bruchophagus***Platyptilia carduidactyla***

in USA 763

on *Cirsium vulgare*, in USA 763on *Cynara scolymus*, in USA 763parasitised by, *Phaeogenes cynarae*, in USA 763***Platypus***

mycetangia in 4401

on *Nothofagus fusca*, in New Zealand 5219***Platypus beaveri***

sp. nov., description of 7029

in Thailand 7029

on *Castanopsis*, in Thailand 7029on *Quercus*, in Thailand 7029***Platypus biflexuosus***

in Thailand 3482

on *Pinus*, in Thailand 3482***Platypus brevis***

sp. nov., description of 7029

in Thailand 7029

Platypus solidus

flight activity in 642

in Papua New Guinea 642

on *Araucaria cunninghamii*, in Papua New Guinea 642

traps for 642

Platypus truncatellus

sp. nov., description of 7029

in Thailand 7029

Platyterma (see *Mesopolobus*)

- Platythyreini**, taxonomy of 4608
platyuriformis*, *Conopia
Plebeigryllus guttiventris, egg production in 2488
plebeja*, *Euscelis
Plecia nearctica
 flight activity in 3132
 fungi in, in Florida 3132
 in USA 3132, 6475
 metabolism in 6475
Plecoptera
 in Turkey 4141
 in milk-powder factories, in Japan 7447
 in streams, effects of fenitrothion on 3303
Plectrophorus lutra
 in Surinam 3637
 life-cycle of 3637
 on orange, in Surinam 3637
 on *Pueraria phaseoloides*, in Surinam 3637
Pleistophora
 hydrophobic spore proteins in 948
 in, *Archips cerasivoranus*, in Quebec 956
Pleistophora carpocapsae
 sp. nov., description of 2182
 in
Cydia pomonella, in Moldavia 2182
 Lepidoptera, infectivity of 2182
Pleistophora fidelis
 sp. n., description of 2195
 in
Leptinotarsa decemlineata, infectivity of 2195
L. undecimlineata
 in Cuba 2195
 pathogenicity of 2195
Pleistophora schubergi
 in
Anisota senatoria, infectivity of 4478
Euproctis similis, in Yugoslavia 5739
Galleria mellonella, effects on enzymes of 2201
Hyphantria cunea, in Illinois 475
Mamestra brassicae, effects on enzymes of 2201
Symmerista canicosta, infectivity of 4478
 radioprotectives for 4478
plejadellus*, *Chilo
Pleocoma carinata
 feeding behaviour in 6814
 in USA 6814
 on *Pseudotsuga menziesii*, in Oregon 6814
Pleocoma crinita
 feeding behaviour in 6814
 in USA 6814
 on *Pseudotsuga menziesii*, in Oregon 6814
Pleocoma dubitalis dubitalis
 feeding behaviour in 6814
***Pleocoma dubitalis dubitalis* contd.**
 in USA 6814
 on *Pseudotsuga menziesii*, in Oregon 6814
Pleocoma minor
 feeding behaviour in 6814
 in USA 6814
 on *Pseudotsuga menziesii*, in Oregon 6814
Pleocoma simi
 feeding behaviour in 6814
 in USA 6814
 on *Pseudotsuga menziesii*, in Oregon 6814
Pleolophus basizonus
 parasitising, *Neodiprion sertifer* 2731
 population dynamics of 2731
Pleophylla, in pastures, in Kenya 4287
Pleotrichophorus chrysanthemi
 in South Korea 1879
 seasonal abundance of 1879
 traps for 1879
Plesiotheris perplexus
 distribution of 3357
 on grasses, in Mexico 3357
Pleurarius brachyphyllus
 biology of 452
 in India 452
 in timber, in Kerala 452
pleurodon*, *Gnamptogenys
pleurostigma*, *Ceutorhynchus
plexippus*, *Danaus
***Plictran* (see *Cyhexatin*)**
Placaederus ferrugineus
 in India 150
Metarhizium anisopliae in, in Tamil Nadu 150
 on *Anacardium occidentale*, in Tamil Nadu 150
Plodia interpunctella
 antennae in 539
 antennal humidity receptors in 2432
Bacillus thuringiensis in, age-related changes in resistance to 3150
 behaviour in, effects of light on 6261
 biology of 2166
 calling behaviour in 539, 635
 chitin in, inhibitors of synthesis of 6294
 clear wing mutant of 609
 control of
Bacillus thuringiensis for 3790, 4435, 7466
 fumigants for 1029, 2166, 4435, 6959
 growth regulators for 5053, 7082
 inert atmospheres for 4428, 7444
 insecticide-pathogen mixtures for 2226
 insecticides for 2166, 3796, 5716, 6252, 6276, 6871
 ionising radiation for 6872
 γ-irradiation for 77, 3792
 mating disruption for 4643
 radio-frequency irradiation for 7471

***Plodia interpunctella* contd.**

- control of *contd.*
 - sterile-insect release for 1124
 - traps for 444
- development in
 - effects of JH mimics on 1134
 - effects of temperature and humidity on 5347
 - on natural-product diets 6460
- egg-hatch in, effects of UV-irradiation on 5317
- eggs of
 - effects of γ -irradiation on 3430
 - method for dispensing 1823
- enzymes in 1746
- fertility in, effects of γ -irradiation on 3430
- granulosis virus in
 - and biological control using 3097
 - effects of fumigants on 4435
 - pathogenicity of 2226
- growth regulators in
 - effects on food consumption of 7649
 - subcellular binding of 56
- hemolymph in 2419
 - JH carrier protein in 6286
- imaginal disks in, effects of ecdysones on 1773
 - in Australia 6252
 - in Austria 1546
 - in Bulgaria 2166
 - in India 4277
 - in Peru 680
 - in Switzerland 7082
 - in Turkey 6871
 - in USA 3086, 5716
 - in West Germany 6872
 - in confectionery, in West Germany 6872
 - in dried fruit, in California 3086
 - in ground paprika
 - development of 1546
 - in Austria 1546
 - in packaging materials, no penetration effected by 6291
 - in raisins, in Turkey 6871
 - in stored almonds
 - in California 5716
 - in Portugal 1542
 - in stored maize 3097
 - interactions of other pests and 3784
 - in stored nuts, in California 3086
 - in stored seeds, in Bulgaria 2166
 - in stored wheat 3097
 - in Australia 6252
 - in Peru 680
- juvenile hormone in, effects on
 - intermediary metabolism of 6296
- larvae of, effects of γ -irradiation on 77
- malathion resistance in 1746
 - in California 3086
- mating in 1124
 - effects of juvenile hormone on 539

***Plodia interpunctella* contd.**

- mating in *contd.*
 - effects of sex pheromone on 4643
 - effects of synthetic sex pheromones on 2500
 - Nosema heterosporum* in, pathogenicity of 1578
 - N. plodiae* in, pathogenicity of 1578
 - on *Sorghum*, in India 4277
 - preyed on by
 - Chrysopa carnea* 4731
 - Oryzaephilus mercator* 114
 - Tribolium castaneum* 3407
 - sex pheromone of 539
 - mating disruption by 6297
 - release rate of 1141
 - sex ratio in, effects on reproductive capacity of 4021
 - sperm precedence in 1124
 - sterilisation of, γ -irradiation for 3435
- Plum**
- Aceria phloeocoptes* on
 - galls of 848
 - in Israel 848
 - Aculus fockeui* on, in Washington 4910
 - Aegorhinus phaleratus* on, in Chile 686
 - Anarsia lineatella* on, in California 1640
 - Anthonomus commutatus* on, in Turkey 7013
 - aphids on, in California 1640
 - Brachycaudus* spp. on, in Italy 1408
 - Ceratitis capitata* on, in Tunisia 494
 - Conotrachelus nenuphar* on, in USA 4012
 - Cydia funebrana* on
 - assessing infestations of 6119
 - damage caused by 6928
 - in Bulgaria 5550, 7539
 - in Italy 6735
 - in Poland 527, 3318, 6928
 - in Switzerland 6119
 - C. pomonella* on, in California 3610
 - C. prunivora* on 4309
 - diseases of, identification of 7306
 - Eriophyes similis* on
 - damage caused by 6737
 - in West Germany 6737
 - Eulecanium prunastri* on
 - in Caucasus 6808
 - in France 2722
 - E. tiliae* on, in Himachal Pradesh 2873
 - Euproctis fraterna* on
 - feeding preferences of 4653
 - in Punjab 4653
 - E. similis* on, in Yugoslavia 5739
 - fenthion in, residues of 527, 3318
 - formothion in, residues of 528
 - Hyalopterus pruni* on
 - in Italy 1408
 - in Poland 322
 - Indarbela* spp. on, in Haryana 2867
 - insect pests of, in Quebec 5533-5534

Plum contd.

- Mimastra cyanura* on, in Himachal Pradesh 7177
- mites on, in California 1640
- Myzus humuli* on, in Poland 4821
- M. persicae* on, in Italy 1408
- Noctuidae on, in Ohio 323
- Panonychus ulmi* on, in Washington 4910
- pest control on 7285, 7306
- in France 7549
- pests of
- identification of 7306
- in Bangladesh 4180
- in France 7549
- plum pox virus in
- aphid transmission of 5720
- resistance to 5572
- Quadraspidiotus perniciosus* on
- in California 1640
- in USSR 5552
- Recurvaria nanella* on, in Crimea 6099
- Schizotetranychus prunicola* on, in USSR 6102
- Scolytus rugulosus* on, in Poland 1885
- Sibine nesea* on, in Brazil 3696
- Spilonota ocellana* on, in Poland 4306
- Tetranychus mcdanieli* on, in Washington 4910
- Xyleborus dispar* on, in Austria 1415
- X. saxeseni* on, in Austria 1415
- Yponomeuta padellus* on, in Netherlands 5226
- Plum (dried fruit)**
- Carpoglyphus lactis* in, in France 7474
- Glyciphagus domesticus* in, in France 7474
- Oryzaephilus mercator* in, development of 6304
- O. surinamensis* in, development of 6304
- Tyrophagus putrescentiae* in, in France 7474
- Plum, mirabelle** (see *Prunus insititia* var. *syriaca*)
- Plum orchards, *Metaseiulus occidentalis*** in, effects of pesticides on 4910
- Plum pox virus**
- hosts of 5720
- in
- almond 5572
- Brachycaudus cardui*, transmission of 5720
- B. helichrysi*, transmission of 5572
- Myzus humuli*, transmission of 5720
- M. persicae*, transmission of 4455, 5720
- peach, aphid transmission of 4455
- plum, resistance to 5572
- Prunus besseyi* 5572
- Symphytum officinale*, aphid transmission of 5572
- plumbellus, *Sepedon***

- plumbellus, *Yponomeuta***
- Plumeria robusta*, *Coccus viridis*** on, in Hawaii 4386
- plumifer, *Phytoseius***
- plumifer, *Ptilocephala*, (*Oreopsyche*)**
- plumiferae, *Necremnus***
- plumosus, *Amblyseius*, (*Typhlodromips*)**
- Plusia***
- control of, development inhibitors for 2934
- on soy bean, in Brazil 2934
- traps for 2579
- Plusia acuta* (see *Chrysodeixis*)**
- Plusia argentifera***
- biology of 6194
- control of, insecticides for 6957
- in Australia 6193–6194
- on tobacco, in Queensland 6193–6194
- Plusia californica***
- cell cultures from, media for 3817
- cytoplasmic polyhedrosis virus in, in California 472
- granulosis virus in, in California 472
- in USA 472
- nuclear polyhedrosis virus in 960, 1587, 2700, 3209, 6333–6334
- control of 2204
- in California 472
- pathogenicity of 478
- plaque variants of 465
- propagation of 3817
- specificity of 6346, 7489
- on lucerne, in California 472
- terpenoid ethers in, JH activity of 1003
- Plusia chalcites* (see also *Chrysodeixis chalcites*)**
- control of, insecticides for 859
- in Philippines 859
- on *Phaseolus aureus*, in Philippines 859
- Plusia festucae***
- in France 548
- parasitised by, *Voria ruralis*, in France 548
- Plusia gutta* (see *Macdunnoughia confusa*)**
- Plusia orichalcea* (see *Diachrysia*)**
- Plusia peponis* (see *Anadevidia*)**
- Plusia signata***
- in India 1847
- on *Amaranthus*, in Tamil Nadu 1847
- on eggplant, in Tamil Nadu 1847
- on *Eleusine coracana*, in Tamil Nadu 1847
- on *Vigna unguiculata*, in Tamil Nadu 1847
- Plusia transfixa*, taxonomy of, synonym of *Trichoplusia vittata* 3980**
- Plusiinae**
- in California 3374
- in Réunion 3980
- nuclear polyhedrosis viruses in, specificity of 7489

- Plutarchia*, parasitising, *Ophiomyia phaseoli*, in Malaysia 861
- Plutella maculipennis* (see *P. xylostella*)
- Plutella xylostella*
- amino acids in, effects of bacterial infection on 3125
 - Bacillus thuringiensis* in, effects of 3125
 - biology of 2915, 6762
 - control of 6762
 - Bacillus thuringiensis* for 667, 1441, 3849, 3853, 7341
 - growth regulators for 5789
 - insecticides for 730, 1440–1441, 2038, 2044, 2664, 4329, 4932, 6758, 6765
 - integrated 7340, 7343
 - plant extracts for 3906
 - descriptions of 3650
 - Entomophthora sphaerosperma* in, in Chile 5072
 - eyes in 5262
 - granulosis virus in
 - development of infection with 7499, 7501
 - effects of 7490
 - replication of 7491
 - hyperparasitised by, *Dibrachys cavus*, in Byelorussia 6767
 - illustrations of 6762
 - in Brazil 1440
 - in Canada 6762
 - in Chile 4329, 5072
 - in India 857, 2044, 4932, 7333, 7609
 - in Indonesia 730
 - in New Zealand 3650
 - in Pakistan 2038
 - in Switzerland 5789
 - in Taiwan 2917
 - in USA 1441, 2915, 6762, 7609
 - in USSR 6758, 6765, 6767, 7340–7341, 7343
 - life-cycle of 3650
 - migration in 2611
 - on *Amaranthus viridis*, in Karnataka 7333
 - on cabbage
 - in Antilles 3853
 - in Brazil 1440
 - in Chile 4329
 - in Indonesia 730
 - in Moldavia 7340
 - in Rajasthan 857, 4932
 - in Russian Republic 6765, 7341
 - in South Carolina 1441
 - in Taiwan 2917
 - in Ukraine 7343
 - on cauliflower
 - in Haryana 2044
 - in Pakistan 2038
 - on Cruciferae
 - damage caused by 3650
 - in New Zealand 3650
- Plutella xylostella* contd.
- on crucifers
 - damage caused by 6762
 - in Canada 6762
 - in North Carolina 2915
 - on garden vegetables, in USSR 6758
 - on ornamental plants
 - damage caused by 6762
 - in Canada 6762
 - on radish, in Pakistan 2038
 - parasites of
 - effect of insecticides of 3651
 - effects of growth regulators on 5789
 - parasitised by
 - Apanteles plutellae* 3651
 - and biological control using, in Taiwan 667
 - in Taiwan 2917
 - A. ruficrus*, in Caucasus 6767
 - Diadegma fenestralis* in Byelorussia 6767
 - in Caucasus 6767
 - in Switzerland 5789
 - phototaxis in 5355
 - rearing of
 - diets for 7068
 - techniques for 667
 - seasonal abundance of 730, 2917
 - in Rajasthan 857
- plutellae*, *Apanteles*
- plutellae*, *Brachymeria excarinata*
- pluto*, *Coccygominus*
- pluviale*, *Malacosoma californicum*
- Pnigalio*, parasitising, *Cosmopterix phyllostachyseae*, in Ishikawa Prefecture 1932
- Pnigalio mediterraneus*
- in France 4780
 - in Greece 2900
- parasitising
- Dacus oleae*
 - in France 4780
 - in Greece 2900
- taxonomy of
- characters distinguishing *Eupelmus urozonus* and 4780
 - characters distinguishing *Eurytoma martellii* and 4780
- Pnigalio soemius*
- in West Germany 1925
- parasitising, *Hoplocampoides xylostei*, in West Germany 1925
- Pnyxia scabiei*
- biology of 7372
 - food of 7372
 - in USA 7372
 - on potato, in Washington 7372
- Poa annua*, *Sipha kurdjumovi* on, distribution pattern of 278
- Poa pratensis*
- Melolontha melolontha* on, development of 1759

***Poa pratensis* contd.**

Oscinella frit on, in East Germany 2790

Poa trivialis*, *Utamphorophora humboldti
on, in England 5409

Poaceae

Lachnosterna plaiei on, in Guadeloupe
474

Luperus pinicola on, in West Germany
4420

Margarodes paulistus on, in Brazil 155

Pentatomidae on, in Pakistan 1338

Tetranychus turkestanii on 1927

podagrica, *Cotterellia*

Podagrica sjostedti, okra mosaic virus in,
transmission of 6145

Podagrica uniformis, okra mosaic virus in,
transmission of 6145

Podagrica weisei

control of, insecticides for 900

in Tanzania 900

on kenaf, in Tanzania 900

podagricus, *Triclistus***podanus, *Archips***

Podina (see *Mentha spicata*)

Podisus maculiventris

biology of 2723

dispersal of 99

in USA 99

in soy-bean fields, in South Carolina 99

predatory behaviour in 4721

preying on

Anticarsia gemmatilis 5439

Epilachna varivestis 5439

Galleria mellonella 4721

Hyphantria cunea

and biological control using

in Japan 2723

in Yugoslavia 6546

Spodoptera litura 2723

Podisus placidus, preying on, *Hyphantria cunea*, and biological control using, in
Yugoslavia 6546

Podocarpus*, *Aonidiella taxus on, in Japan
5101

Podocarpus gracilior, ponasterones in 1793

Podocarpus nakaii, ponasterones in 1793

Podontia quattuordecimpunctata

biology of 7327

descriptions of 7327

in India 7327

on *Spondias dulcis*, in West Bengal 7327

on *Spondias pinnata*, in West Bengal
7327

Podosesia syringae

biology of 922

in USA 922

on *Fraxinus pennsylvanica*

damage caused by 922

in Mississippi 922

on Oleaceae

damage caused by 922

in Mississippi 922

***Podosesia syringae* contd.**

preyed on by, woodpeckers, in Mississippi
922

sex attraction in 2413

Podosphaera leucotricha

in

apple

effects of clean cultivation on 6111

in England 7516

in West Germany 6111

Poecilila reticulata

carbamates in, fate of 5785

endosulfan in, toxicity of 2643

endosulfan metabolites in, toxicity of
2643

Poecilips* (see also *Coccotrypes*)**Poecilips gedeanus***

in Malaysia 6228

in stored illipe nuts, in Sarawak 6228

Poecilips nephelii

in Malaysia 6228

in stored illipe nuts, in Sarawak 6228

Poeciloscyltus cognatus* (see *Polymerus*)**Poecilotraphera taeniata***

in Bangladesh 3595

in Hong Kong 3595

in Indonesia 3595

in Malaysia 3595

in Philippines 3595

in Taiwan 3595

in Thailand 3595

preying on, *Chilo polychrysus*, in
Thailand 3595

Poekilocerus hieroglyphicus, food
preferences of 5417

Poekilocerus pictus

in India 1401, 4779, 7169

in Pakistan 5399

on *Benincasa hispida*, in Haryana 7169

on *Calotropis gigantea*, in India 7169

on *Calotropis procera*, in Pakistan 5399

on *Capsicum*, in Pakistan 5399

on *Capsicum frutescens*, in Haryana
7169

on *Carica papaya*, in Karnataka 1401

on *Clerodendron inerme*, in Haryana
7169

on cotton, in Pakistan 5399

on Cucurbitaceae, in Pakistan 5399

on grapevine, in Karnataka 1401

on *Lagenaria siceraria*, in Haryana 7169

on lucerne, in Haryana 7169

on *Luffa acutangula*, in Haryana 7169

on melon, in Pakistan 5399

on watermelon, in Haryana 7169

parasitised by, *Blaesoxipha kaestneri*, in
India 4779

preyed on by, *Mantis religiosa*, in India
4779

Pogonomyrmex badius

control of, baits for 2696

in USA 1867, 2696

***Pogonomyrmex badius* contd.**

- on man, in Florida 1867
- preyed on by; *Apiomerus crassipes*, in Florida 1867

Pogonomyrmex barbatus*, alarm pheromone of 1776**Pogonomyrmex occidentalis***

- in USA 174
- in grassland
- effects of 174
- in Colorado 174

Pogostemon heyneanus*, insecticidal activity of extracts of 5057**Poinciana regia***

- Xylotrupes gideon* on
- in New Hebrides 4300
- in Solomon Islands 4300

Poinsettia* (see *Euphorbia pulcherrima*)**Poinsettia*, *Trialeurodes vaporariorum* on, development of 5344*****Poinsettia pulcherrima* (see *Euphorbia*)*****Pokla* (see *Amaranthus blitum*)****Poland**

- Acarus siro* in, in medicinal herbs 940
- Acyrtosiphon pisum* in, on lucerne 1982, 2838
- Amaurosoma armillatum* in, on *Phleum pratense* 4876
- A. flavipes* in, on *Phleum pratense* 4876
- Anthonomus rubi* in, on raspberry 1394
- ants in 7132
- aphids in 1880, 4151, 7144
 - natural enemies of 185–186, 322, 1352, 1602, 7137
 - on cabbage 2919
 - on Cruciferae 1926
 - on glasshouse plants 7138
 - on maize 1352
 - on sugar-beet 370, 3299
- Aphis fabae* in, on sugar-beet 1464, 2065, 2950–2951
- Apion apricans* in, on *Trifolium* 6769
- Arachnoidea in, in sugar-beet fields 371
- Archips podanus* in, on rose 406
- Atomaria linearis* in, on sugar-beet 2952
- Auchenorrhyncha in 7133
- biological control in 2750, 5092, 6918
- Brassica* spp. in, pests of 1318, 1450
- Brevicoryne brassicae* in
 - on cabbage 2950
 - on crucifers 6761
- Bruchus rufimanus* in, on *Vicia faba* 6769
- Byturus urbanus* in, on raspberry 1394
- Carabidae in, in pine forests 5005
- Cecidophyopsis ribis* in, on black currant 1397
- Cerambycidae in, on trees 5662
- Ceutorhynchus* spp. in, on rape 6763
- C. assimilis* in
 - natural enemies of 1479
 - on rape 1479–1481, 5120

Poland contd.***Ceutorhynchus* contd.**

- C. quadridens* in, on rape 5120
- Cheyletus eruditus* in, in medicinal herbs 940
- Chlorops pumilionis* in, on wheat 1349
- Cicadodea in, on medicinal plants 1335
- Coccinellidae in, in orchards 1106
- Contarinia bromicola* in, on *Bromus* 1570
- crickets in 7136
- Croesia bergmanniana* in, on rose 406
- crops in, insect damage to 6927–6928
- Cruciferae in, arthropods associated with 2745
- Curculio nucum* in, on hazel 1405
- Curculionidae in 2677
- Cydia funebrana* in 2843, 6710
 - on plum 527, 3318
- C. nigricana* in, on pea 1450, 6769
- C. pomonella* in 2843, 6710
 - on apple 527, 3318
- Dasineura brassicae* in, on rape 1480–1481
- D. ignorata* in, on lucerne 1983
- Delia* spp. in, on crucifers 6761
- D. brassicae* in, on cabbage 4933, 7652
- D. platura* in, on *Phaseolus vulgaris* 6769
- Depressaria daucella* in, on caraway 6648
- Diptera in, on cabbage 1443
- Diuraphis muehleii* in, on *Phleum pratense* 4877
- domestic animals in, pesticide residues in 6970
- Epiblema roborana* in, on rose 406
- Eucosma conterminana* in
 - natural enemies of 4926
 - on lettuce 4926
- Eurytoma bouceki* in, on *Larix* 3367–3368
- Exoteleia dodecella* in, on *Pinus* 7420
- foodstuffs in, pesticide residues in 6969
- forests in, pest control in 6840
- Glycyphagus destructor* in, in medicinal herbs 940
- G. domesticus* in, in medicinal herbs 940
- Hedya ochroleucana* in, on rose 406
- Hemiptera in, on Cruciferae 2039
- Heteroptera in, on *Quercus* 4396
- hop in, pests of 1318
- Hylemya* spp. in, on radish 355
- H. brassicae* in
 - natural enemies of 4782
 - on cabbage 2918, 4782
- H. platura* in, on *Phaseolus* 360
- Hylesinus crenatus* in
 - natural enemies of 1300
 - on *Fraxinus* 1300
- Hyperomyzus pallidus* in
 - on gooseberry 312

Poland contd.

- Hyperomyzus pallidus* in contd.
 on *Sonchus arvensis* 312
 leaf-miners in 175
 leaf-mining insects in, in forests 5017
 leafhoppers in, on vegetable crops 5590
Leipopus nebulosus in, on *Quercus* 6813
Lema gallaeciana in
 natural enemies of 2774
 on grain crops 2772–2773
Leperisinus spp. in
 natural enemies of 1300
 on *Fraxinus* 1300
Leptinotarsa decemlineata in 2277
 natural enemies of 1602, 3682,
 4350–4351
 on potato 372–374, 881, 1467–1468,
 2959–2961, 3205, 3682, 4350, 4968,
 7652
Lepyrus palustris in, on *Salix* 4618
Lygus rugulipennis in
 natural enemies of 196–197, 4216
 on lucerne 197
Mamestra brassicae in
 on cabbage 2919
 on crucifers 6761
 man in, pesticide residues in 6969–6970
Megastigmus pictus in
 natural enemies of 1888
 on *Larix* 1888, 6545
Meligethes aeneus in
 natural enemies of 1602
 on rape 1663, 5120
Mesosa nebulosa in
 on *Alnus* 6813
 on *Quercus* 6813
 Miridae in
 on carrot 2067
 on parsley 2067
 mites in, on Cruciferae 4748
Monochamus galloprovincialis in, on
Pinus 7423
Musca domestica in 2277
Myzus humuli in, on hop 226, 4821,
 5120, 6648
M. persicae in 5120
 on *Gerbera jamesonii* 1501
 on tobacco 512
Netelia spp. in 5846
 Neuroptera in 2628
Operophtera brumata in, on apple 2875
 orchards in, pest control in 6718, 7540
Otiorynchus salicis in 7096
Oulema melanopus in
 natural enemies of 2774
 on grain crops 2772–2773
Pandemis cerasana in, on rose 406
Pegomya hyoscyami in, on sugar-beet
 2950
Phyllotreta spp. in, on radish 355
Pieris spp. in, on cabbage 2919
P. brassicae in, on crucifers 6761

Poland contd.

- plant diseases in 1321
 plant pests in 1321
 phenology of 4130
 potato in
 pest control on 6785
 virus diseases of 6786
Psila rosae in, on carrot 2955
Psylliodes attenuatus in, on hop 6648
 rape in, pests of 6648
 Raphidioptera in 2468
Resseliella skuhavyorum in, on *Larix*
 3987
Rhagoletis cerasi in 73
 on cherry 527, 3318
 root crops in, pests of 1463, 6782
Saperda carcharias in, on *Populus* 1522
S. scalaris in, on *Quercus* 6813
 Scolytidae in, natural enemies of 1885
Sitona spp. in, on pea 2050, 6769
 stored-product entomology in 6862
 sugar-beet fields in, flying insects in 6165
 Symphyta in, on rose 1503
Synanthedon tipuliformis in, on black
 currant 1396
 Tetranychidae in
 natural enemies of 2011
 on apple 2011
Tetranychus urticae in 3205
 on *Gerbera jamesonii* 1501
Therioaphis trifolii in, on lucerne 2838
 Thysanoptera in, on Cruciferae 3568
Tomicus minor in, on *Pinus* 5006
T. piniperda in, on *Pinus* 5006
 Tortricidae in, on fruit trees 4306
Trialeurodes vaporariorum in 1694
Trypodendron signatum in, on *Quercus*
 6813
Tyrophagus putrescentiae in, in medicinal
 herbs 940
 vegetable crops in, pest control on 6757
 wood in, insect pests of 5713
Yponomeuta padellus in 2843, 6710
 Polfos (see Phosphoric acid, 2-bromo-1-(2,4-
 dichlorophenyl)ethenyl dimethyl ester)
 Polfoschlor (see Trichlorophon)
 Polia illoha (see *Hadena*)
 Policron (see Phosphorothioic acid, O-(4-
 bromo-2-chlorophenyl) O-ethyl S-propyl
 ester)
Polistes, preying on, *Hyphantria cunea*, in
 Japan 645
Polistes gallicus
 in Yugoslavia 6546
 preying on, *Hyphantria cunea*, in
 Yugoslavia 6546
Polistes hebraeus (see *P. olivaceus*)
Polistes olivaceus
 in India 6639, 7181
 on *Ziziphus mauritiana*
 in Punjab 7181
 pollination by 7181

***Polistes olivaceus* contd.**

- preying on, *Rhipiphorothrips cruentatus*, in Punjab 6639
- searching behaviour in 6639

politum*, *Microdiprion pallipes***politum*, *Pachypeltis******politus*, *Disphinctus* (see *Pachypeltis politum*)****Pollen**

- carbaryl in, residues of 5807
- diet component for

Amblyseius spp. 2714

Galleria mellonella 3414, 4801

Metasyrphus corollae 1121

Syrphidae 1121

Trogoderma glabrum 1159

T. inclusum 1158

T. variabile 1160

- monocrotophos in, residues of 5807

Trogoderma simplex in, development of 2378

Pollenia*, *Dermestes lardarius* on, in Canada 6863*Pollination 7687**

of cacao

by *Ceratopogonidae* 402

by *Forcipomyia* 1493, 2102, 4383

by *Forcipomyia fuliginosa* 5463

by insects 5652

by *Parallelodiplosis* 1489

of hazel 2007

of legumes, by insects 1980

of lucerne 1986

by *Apis mellifera* 1376, 5807

by *Megachile pacifica* 7281

of medicinal plants, by insects 2765

of sugar-beet, by insects 4345

of sunflower, by honey bees 2984

of *Trifolium pratense*, by *Bombinae* 3550

of *Ziziphus mauritiana*

by *Apis* 7181

by *Musca domestica* 7181

by *Polistes olivaceus* 7181

pollini, *Pollinia****Pollinia pollini***

in France 2722

on olive, in France 2722

preyed on by, *Eublemma scitula*, in France 2722

Polybia*, swarming behaviour in 4204**Polycaon stouti***

development in 2176

in USA 2176

in forests, in California 2176

in furniture, in California 2176

life-span in 2176

Polychlorcamphene* (see Toxaphene)**polychloros*, *Vanessa******Polychlorpinene* (see Bicyclo[3.1.1]hept-2-**

ene, 2,6,6-trimethyl-, chlorinated)

polychrosidis*, *Campoplex***Polychrosis botrana* (see *Lobesia*)*****polychrysus*, *Chilo***

(*Chilotraea*)

polycтена*, *Formica***polycymalis*, *Sylepta******Polydesmus***

biology of 4749

control of 4749

in UK 4749

Polydorus aristolochiae* (see *Pachliopta*)**Polydrusus mollis***

in USSR 5245

size variation in 5245

Polydrusus tereticollis

in USSR 5245

size variation in 5245

***Polydrusus undatus* (see *P. tereticollis*)**

Polyesters, in insect-resistant packaging materials 454

Poly(ethylene glycol)* (see 1,2-Ethandiol, homopolymer)**Polygalacturonase***

in Acridid guts, not found 5866

in *Locusta migratoria* gut, not found 739

in *Lygus disponi* saliva 576

in phytophagous Hemiptera 2396

Polygonaceae*, *Pemphigus* spp. on, in Ukraine 5341**Polygonum*, *Gastrophysa atrocyanea* on, development of 2753*****Polygonum filiforme*, *Gastrophysa atrocyanea* on 2753*****Polygonum lapathifolium*, *Apion antiquum* on, feeding by 4241*****Polygonum persicaria*, *Gastrophysa atrocyanea* on 2753*****Polygramma undecimlineata* (see *Leptinotarsa*)*****Polygraphus aterrimus***

in Thailand 3482

on *Pinus*, in Thailand 3482

Polygraphus convexifrons

in USA (Alaska) 4399

on *Picea glauca*, in Alaska 4399

Polygraphus rufipennis

food-plant selection in 4399

in USA (Alaska) 4399

on *Picea glauca*, in Alaska 4399

Polymarcin*, in apple orchards, effects on mites of 2013**polymena*, *Euchromia******Polymerase*, RNA (see**

Nucleotidyltransferase, ribonucleate)

Polymerus cognatus

biology of 5530

control of

crop management for 5530

insecticides for 5530

in USSR 5530, 6167

on lucerne

damage caused by 5530

in Krasnodar 5530

on potato, in USSR 6167

- Polymerus vulneratus***
in Poland 2039
on Cruciferae, in Poland 2039
- Polynema striaticorne***, parasitising, *Ceresa bubalus*, and biological control using, in Italy 1384
- polygraphus*, *Colias erate***
- Polyoxin D**, in *Plodia interpunctella*, inhibiting chitin synthesis 6294
- Polyphagotarsonemus latus***
control of, acaricides for 978
in Brazil 1486
in Netherlands 978, 6903
on *Capsicum*, in Netherlands 978
on *Capsicum annuum*, in Netherlands 6903
on cotton
damage caused by 1486
in Brazil 1486
- polyphagus*, *Hypothenemus*, (*Stephanoderes*)**
- polyphemus*, *Telea***
(*Antheraea*)
- Polyphylla olivieri***
control of, insecticides for 313
in USSR 313
on grape vine, in Azerbaijan 313
- Polypodine A** (see Cholest-7-en-6-one, 2,3,14,20,22,25-hexahydroxy-, (2 β ,3 β ,5 β ,22R)-)
- Polyram-Combi** (see Metiram)
- Polyrhachis***
in eucalypt savanna, in Papua New Guinea 1270
in kunai grassland, in Papua New Guinea 1270
- Polysaccharides**, in *Rhizobium japonicum*, effects of aldicarb on production of 6416
- Polyscias*, *Kerria lacca*** on, in Tamil Nadu 7406
- Polystyrene** (see Benzene, ethenyl-, homopolymer)
- Polytela gloriosae***, digestion in 1744
- polytoma*, *Gilpinia*, (*Diprion*)**
- Poly(vinyl acetate)** (see Acetic acid, ethenyl ester, homopolymer)
- polyxenes*, *Papilio polyzo*, *Chrysocharis*, (*Derostenus*)**
- Pome fruits**, *Hyalarcta huebneri* on 6206
- Pomegranate** (*Punica granatum*)
insects on, in Iraq 4397
Ophiusa tirhaca on, in Rajasthan 3516
Pseudococcus comstocki on, in Uzbekistan 5753
Tetranychus turkestanii on, in Bulgaria 2252
T. urticae on, in Bulgaria 2252
Trabala vishnou on, in Karnataka 158
- Pomelo** (see *Citrus grandis*)
- pometaria*, *Alsophila pomi*, *Aphis pomi*, *Typhlodromus*, (*Galendromus*)
pomiformis, *Callirhytis pomonella*, *Cydia* (*Laspeyresia*)
pomonella, *Rhagoletis pomonellae*, *Neoplectops pomorum*, *Anthonomus pomum*, *Rhopalomyia Ponastrone A* (see Cholest-7-en-6-one, 2,3,14,20,22-pentahydroxy-, (2 β ,3 β ,5 β ,22R)-)
Ponasterones, sterilant for, *Spodoptera littoralis* 1793
Poncirus trifoliata, *Aonidiella aurantii* on, susceptibility to 3638
ponderosae, *Dendroctonus***
- Ponds**, DDT in, bioaccumulation of 7641
- Ponerinae**
Hymenostilbe longispora in, in Ghana 7495
taxonomy of 4608
- Pontederia cordata***
Cornops aquaticum in
in Argentina 2762
in Uruguay 2762
- Pontederia lanceolata*, *Orthogalumna terebrantis*** on, in Argentina 3458
- Poophagus sisymbrii***
in Poland 2745
on Cruciferae, in Poland 2745
- Popilius disjunctus***
carbaryl in, effects of 578
in USA 5470
methyl-parathion, effects of 578
mites associated with, in USA 5470
- Popillia complanata***
biology of 3618
in India 3618
on *Anacardium occidentale*, in Karnataka 3618
- Popillia japonica***
aldrin resistance in, in Ohio 4284
attractants for 3927
Bacillus popilliae in
in Connecticut 2830
infectivity of 2830
biology of 5523
control of, insecticides for 6078
dieldrin resistance in, in Ohio 4284
in Canada 5407
in Japan 2718, 6628
in USA 2691, 2830, 3927, 4284, 4290, 5523, 6078
in pastures, in Georgia (USA) 5523
in turf
in Connecticut 2830
in Ohio 3927, 6078
insecticide resistance in, in New York 4290
legislation on, in Quebec 5407
life history of 2691
natural enemies of 2691

Popillia japonica *contd.*

- on ornamental plants, in Georgia (USA) 5523
- parasitised by, *Hyperecteina aldrichi*, in Japan 6628
- preyed on by, *Achaearanea tepidariorum*, in Nagasaki Prefecture 2718
- traps for 5523

Poplar (see *Populus*)**Poplar, Lombardy** (see *Populus italica*)**Poplar, tulip** (see *Liriodendron tulipifera*)**Poppy, opium** (see *Papaver somniferum*)**popularis, Apanteles****Population dynamics** 2528, 3477

- density-dependence in single-species populations 109
- identification of key factors 80
- influence of environmental catastrophes on 4708
- models of 5362
- role in pest control of 5368

populi, Lepidosaphes**populi, Pemphigus****Populus**

- Byctiscus betulae* on
 - damage caused by 6724
 - in Caucasus 6724
 - Chaitophoridae on, in Switzerland 3373
 - Chrysomela scripta* on 7433
 - Cryptorhynchus lapathi* on, in Italy 2144
 - Dorytomus* spp. on, in USSR 7023
 - Gypsonoma aceriana* on
 - damage caused by 5696
 - in East Germany 5696
 - G. oppressana* on, in East Germany 5696
 - G. sociana* on, in East Germany 5696
 - Lepidosaphes ulmi* on, in Ukraine 6721
 - Leucoma salicis* on
 - in District of Columbia 1720
 - in Russian Republic 6817
 - Lymantria dispar* on, in Romania 2141, 2206
 - Messa hortulana* on
 - in Italy 2129
 - in Netherlands 2129
 - Monosteira unicastata* on, in Yugoslavia 430
 - Paraleucoptera sinuella* on, in Hopei Province 6828
 - Paranthrene tabaniformis* on, in Spain 6219
 - Pemphigus bursarius* on, in West Germany 347
 - P. spirothecae* on, in West Germany 347
 - Phalera bucephala* on 6734
 - Saperda carcharias* on, in Italy 2264
- Populus alba**
- Eucosma hapalosarca* on
 - in Pakistan 3758
 - resistance to 3758

Populus alba *contd.*

- Pygaera anastomosis* on
 - in Pakistan 3758
 - in Yugoslavia 3052
 - resistance to 3758

Populus americana, Pygaera anastomosis on, in Yugoslavia 3052**Populus ciliata**

- Eucosma hapalosarca* on, resistance to 3758

- Pygaera anastomosis* on, resistance to 3758

Populus deltoides, Gypsonoma

- haimbachiana* on, in Texas 5013

Populus euphratica

- Eucosma hapalosarca* on, in Pakistan 3758

- Pygaera anastomosis* on, in Pakistan 3758

Populus euroamericana

- Eucosma hapalosarca* on

- in Pakistan 3758

- susceptibility to 3758

- Pygaera anastomosis* on

- in Pakistan 3758

- in Yugoslavia 3052

- susceptibility to 3758

Populus fremontii, Oncometopia alpha on, in Arizona 2375**Populus grandidentata, Reticulitermes flavipes** on 805**Populus italica**

- Pemphigus spirothecae* on

- galls of 6213

- in British Columbia 6213

Populus nigra

- Eucosma hapalosarca* on

- in Pakistan 3758

- susceptibility to 3758

- Lymantria dispar* on 3815

- Pemphigus bursarius* on

- galls of 6825

- in Kashmir 6825

- in Switzerland 2912

- Pygaera anastomosis* on

- in Pakistan 3758

- susceptibility to 3758

- Trichiocampus viminalis* on 910

Populus nigra *var. italica* (see *P. italica*)**Populus robusta, Monosteira unicastata** on, in Yugoslavia 430**Populus simonii, Monosteira unicastata** on, in Yugoslavia 430**Populus (timber), Ptilinus pectinicornis** in, Italy 4445**Populus tremula**

- Caliroa tremulae* on, in France 1091

- Monosteira unicastata* on, in Yugoslavia 430

- Pachypappa tremulae* on, in England 4597

***Populus tremula* contd.**

- Saperda carcharias* on
 - damage caused by 1522
 - in Poland 1522
- Tetranychus urticae* on, in Finland 3051

Populus tremuloides

- Choristoneura conflictana* on, in North America 4720
- Malacosoma disstria* on, in Minnesota 3045

Porcellio scaber*, *Sitophilus granarius

- repelled by extract of 5063

Porcupine* (see also *Erethizon*)**Poria*, in, wood, effects on termites of 4234*****Poria weirii*, in, *Abies grandis*, in Idaho 3047*****Poroporo* (see *Solanum aviculare*)*****porosum*, *Acyrtosiphon*, (*Rhodobium*)*****porosus*, *Anoplognathus******Porphyrs*, in rat, toxaphene metabolism by 6949*****Porphyrosela minuta***

- control of, insecticides for 690
- in Chile 690
- on lucerne, in Chile 690
- on *Trifolium pratense*, in Chile 690

portentosa*, *Gromphadorhina***porteri*, *Onychiurus justii* (see *O. folsomi*)*****Porthesia xanthorrhoea* (see *Euproctis*)*****Porthetria dispar* (see *Lymantria*)*****porthetriae*, *Apanteles******porthetrialis*, *Brachymeria******Portia* tree (see *Thespesia populnea*)*****portoricensis*, *Forcipesticus*****Portugal**

- Acantholyda hieroglyphica* in, on *Pinus* 1505
- Aphis verbasci* in 4207
- Dysaphis radicola* in 4207
- fig paste in, insect contamination of 1544
- flour mills in, arthropods in 1535-1536
- Forda hirsuta* in 4207
- human milk in, pesticide residues in 4562
- insects in, in storage buildings 1540
- Leptinotarsa decemlineata* in, on potato 7609
- Lymantria dispar* in 3815
- Nitidulidae in 5222
- Quadraspidiotus perniciosus* in 4311
- Reticulitermes lucifugus* in 2738
- Schizaphis rotundiventris* in 4207
- stored almonds in, arthropods in 1542
- stored grain in
 - pest control in 1539
 - suitability of storage buildings for 1541
- stored grain pests in, in imported wheat 1537
- stored legume seeds in, pest control in 1539

Portugal contd.

- stored products in
 - pest control in 1538
 - suitability of storage buildings for 1541

Portulaca oleracea* (see Purslane)**poschingeri*, *Pemphigus* (see *Prociophilus fraxini*)*****postica*, *Aeneolamia contigua******postica*, *Hypera******posticata*, *Mahanarva******postvittana*, *Epiphyas******Potamalosia richmondia*, preying on, *Inopus rubriceps*, in New South Wales 254*****Potamogeton*, *Hydrellia* spp. on 2749****Potassium**

- as fertilizer (see Fertilizers)
- in cardamom, effects of mosaic virus infection on 145
- in *Citrus*, relation of *Aceria sheldoni* infestation and 2896
- in insects, prediction of radiation-induced sterility using 3427
- in okra
 - effects of yellow-vein mosaic virus infection on 1439
 - effects on insect susceptibility of 2037
- in *Solenopsis invicta* 2697
- in *Solenopsis invicta* queens 5311
- in sour orange, effects of *Eutetranychus orientalis* on 1432
- in *Spodoptera litura*, effects of viral infection on 3152
- ion (K^{1+})
 - in *Achaea janata* hemolymph, effects of *Bacillus thuringiensis* on 6342
 - in *Anthrenus flavipes* diet, effects on feeding of 4053
 - in apple, effects of clean cultivation on 6111
 - in *Galleria mellonella* haemolymph, effects of ecdysone on 1751
 - in grapevine, arthropod damage and deficiency of, as causes of leaf-roll 7481
 - in locust excreta 1255
 - in *Locusta migratoria*, activation of ATPase by 3521
 - in pea, effects on fonofos uptake of 5776
 - in *Ricinus communis* 5276
 - in *Samia cynthia* diet, requirement for 5276
 - in *Schistocerca americana*, effects on central nervous ganglia of 1122
 - in *Schistocerca americana* rectal wall, influence on transmural PD of 5420
 - in soil, effects of *Solenopsis invicta* on 6609

Potassium contd.ion (K^{1+}) contd.

- in *Spodoptera litura* haemolymph, effects of *Bacillus thuringiensis* on 886
- in *Vigna radiata*, effects of mung bean yellow mosaic virus on 7349
- in wool textiles, effects on insect feeding of 6277

Potassium chloride

- in *Choristoneura fumiferana*, receptors for 4055
- in *Ostrinia nubilalis*, muscular resistance during overwintering to 5878

Potassium cyanide

- in pea, effects on γ -BHC uptake of 5776
- in *Schistocerca americana*, effects on nerve function of 2290

Potassium hydroxide

- diet component for
 - Eurygaster integriceps* 5388
 - Hydraecia micacea* 1238
 - Hyphantria cunea* 1242
 - Pectinophora gossypiella* 3491
- in *Bacillus thuringiensis*, effects on insecticidal activity of 4473

Potassium iodide, against, *Tetranychus urticae*, on *Phaseolus* 6935**Potato** (*Solanum tuberosum*)

- acephate in, residues of 2657
- Acyrtosiphon pisum* on, feeding by 5342

- Agriotes* spp. on
 - in France 2964
 - in Italy 3953

- A. sputator* on, in Bulgaria 152
- A. ustulatus* on, in Bulgaria 152

- Agrotis* spp. on
 - damage caused by 3687
 - in Punjab 3687

- Agrotis exclamationis* on, in East Germany 375

- A. ipsilon* on, in Turkey 2965

- A. segetum* on
 - in East Germany 375
 - in Turkey 2965
 - rearing of 6572

- aldicarb in, residues of 3916

- aldrin in, residues of 7677

- Amrasca devastans* on, development of 157

aphids on

- in Denmark 4349
- in East Germany 7375-7376
- in Poland 6782
- in Switzerland 2071
- in UK 4352, 7378
- in USSR 5622, 6167

- Aphis* spp. on, in East Germany 2958

- A. fabae* on, feeding by 5342

- A. gossypii* on, feeding by 5342

Potato contd.*Aphis* contd.

- A. nasturtii* on, in Maine 878, 2968, 3680-3681

- arthropod pests of, in East Germany 7160

- Asphondylia gennadii* on, in Cyprus 5537

- Aspidiotus nerii* on 5102

- Auchenorrhyncha on, in USSR 6167

- Aulacorthum solani* on
 - development of 618

- in Brazil 2072

- in Japan 880

- in Maine 878, 2968, 3680-3681

- Bibio ferruginatus* on, in USSR 5491

- chlordane in, residues of 533, 3953

- DDT in, residues of 5210

- deep-pitted scab of, not caused by *Phyoxia scabiei* 7372

- Delia platura* on, in Netherlands 6773

- diazinon in, determination of 1824

- Dorylus orientalis* on
 - damage caused by 6610
 - in Uttar Pradesh 6610

- Elateridae on, in Byelorussia 7377

- Empoasca citrura* on, in South Africa 1430

- E. decipiens* on, in Bulgaria 3510

- E. kerri* on, development of 157

- endosulfan in, residues of 1062

- Eteobalea serratella* on, feeding by 5479

- Euxoa* spp. on, in Ontario 6360

- fenitrothion in, determination of 1824

- Frankliniella tuberosi* on, in Peru 1245

- Graphognathus leucoloma* on

- damage caused by 3605

- in New Zealand 3605

- Henosepilachna vigintioctomaculata* on, in Japan 5481

- H. vigintioctopunctata* on, in India 1299

- Heteroptera on, in USSR 6167

- Hylemya coarctata* on

- forecasting infestations of 1000
- in East Germany 1000

- insect pests of, in Quebec 5473, 5475

- Lachnosterna consanguinea* on, in Rajasthan 999

- Leptinotarsa decemlineata* on 2438, 7604

- damage caused by 6927-6928

- development of 2962, 5875

- forecasting infestations of 4967

- imported into Finland 2273

- imported into Turkmenia 5916

- in Austria 7609

- in Bulgaria 2273

- in Byelorussia 6172, 7377

- in East Germany 1050, 5620-5621

- in France 2963, 7609

- in Italy 7609

- in Moldavia 6354-6355

- in Netherlands 3960

Potato contd.*Leptinotarsa decemlineata* on contd.

- in Ontario 1679
- in Poland 372-374, 881, 1467-1468, 2959-2961, 3205, 3311, 3682, 4350, 4968, 6782, 6927-6928, 7652
- in Portugal 7609
- in Russian Republic 6784
- in Spain 7609
- in Switzerland 2261, 7609
- in Ukraine 5628
- in USA 3958
- in USSR 5629, 5746, 6168, 6530, 7380
- insecticide susceptibility of 5875

Leucinodes orbonalis on

- damage caused by 7373
- in Bihar 7373

Limonius canus on, damage caused by 377*Lygus lineolaris* on, in Quebec 7527*L. rugulipennis* on, in Poland 196*Macrosiphum euphorbiae* on

- damage caused by 5625, 5627
- feeding by 5342
- in Brazil 2072
- in England 5625
- in Maine 878, 2968, 3680-3681
- not trapped by hairs 5623
- rearing of 2359

Megoura viciae on, feeding by 5342

methamidophos in, residues of 2657

millepedes on, in UK 4749

mites on, in USSR 6167

Mycoplasmatales in, in USSR 6167

Myzus persicae on 6170

- feeding by 5342
- in Brazil 2072
- in Czechoslovakia 7613
- in East Germany 2958
- in Maine 878, 2968, 3680-3681
- in Moldavia 6355
- in Switzerland 6787
- in USA 3958
- in Venezuela 6171
- not trapped by hairs 5623

Oxycanus fuscomaculatus on, in Tasmania 1366

pest control on 3956

in Poland 6785

in UK 3272

in Wyoming 2259

systemic insecticides for 5622

pesticide taints in, avoidance of 7675

pests of

- in Brazil 4970
- in Denmark 5400
- in Egypt 3690
- in Queensland 2966
- in Rhodesia 4966
- in West Germany 6993

phorate in, determination of 1824

Phthorimaea operculella on 1902, 5626**Potato contd.***Phthorimaea operculella* on contd.

- damage caused by 3686, 5951
- feeding by 3683
- in Australian Capital Territory 2967
- in California 1905, 2074
- in Egypt 3685
- in India 4649
- in Iraq 4965
- in Karnataka 4430
- in Maharashtra 376
- in New Zealand 3686
- in Peru 677
- in South Africa 5951
- in South America 1277
- in Western Australia 1469
- in Zambia 2070
- oviposition by 3684

Phytophthora spp. in, in Ukraine 5628*Planococcus citri* on, rearing of 6905*Pyxys scabiei* on, in Washington 7372

potato leaf roll virus in 1574

in Brazil 2072

in Denmark 4349

in East Germany 2958, 7376

in Maine 3680-3681

in Poland 6786

in Switzerland 2071

in UK 7378

in Venezuela 6171

potato mosaic virus in, in Switzerland 2071

potato paracrinkle virus in, in Poland 6786

potato spindle tuber virus in, in Maine 3680

potato virus S in, in Poland 6786

potato virus Y in

in Brazil 2072

in Denmark 4349

in Poland 6786

in UK 7378

Pseudococcus longispinus on, development of 4092*Rhizoctonia solani* in, in Maine 3681*Saissetia oleae* on, development of 2469*Synanthedon tipuliformis* on, rearing of 6741*Trialeurodes vaporariorum* on, in Tamil Nadu 5632*Tripseuxoa strigata* on, in Uruguay 5404*Verticillium* spp. in 6170

virus diseases of, in Israel 6324

viruses in, in USSR 6167

wireworms on, in USSR 1876

Potato fields

Coccinellidae in, in Finland 3546

insecticides in, non-target effects of 3311

Potato leaf roll virus

control of 2958, 5626, 6171

vector control for 4349

Potato leaf roll virus *contd.*

in

aphids, transmission of 4352

Aphis nasturtii

in Maine 3680-3681

transmission of 3680-3681

Aulacorthum solani

in Maine 3680-3681

transmission of 1574, 2072,
3680-3681*Macrosiphum euphorbiae*

in Maine 3680-3681

transmission of 2072, 3680-3681

Myzus persicae

in Brazil 679

in Maine 3680-3681

transmission of 1574, 2071-2072,
3680-3681, 6171

potato 1574

in Brazil 2072

in Denmark 4349

in East Germany 2958, 7376

in Maine 3680-3681

in Poland 6786

in Switzerland 2071

in UK 4352, 7378

in Venezuela 6171

tomato, in Brazil 679

Potato mosaic virus

in

Myzus persicae, transmission of 2071

potato, in Switzerland 2071

Potato paracrinkle virus

in

Aphis nasturtii, transmission of 6786

potato, in Poland 6786

Potato spindle tuber virus

in, potato, in Maine 3680

transmission of, role of aphids in 3680

Potato starch

diet component for

Choristoneura fumiferana 3031*Hyphantria cunea* 965**Potato (stored tubers)***Phthorimaea operculella* in

in Brazil 4970

in Karnataka 4430

Potato, sweet (see Sweet potato)**Potato top-roll**, effects and prevention of
5625**Potato virus M** (see Potato paracrinkle
virus)**Potato virus S**, in, potato, in Poland 6786**Potato virus X** 860**Potato virus Y**

control of, vector control for 4349

in

aphids, transmission of 4352

Aphis frangulae, persistence of 5727*A. nasturtii*

persistence of 5727

transmission of 6786

Potato virus Y *contd.*in *contd.**Aulacorthum solani*

persistence of 5727

transmission of 2072

Capsicum annuum, in Israel 4456*Macrosiphum euphorbiae*

persistence of 5727

transmission of 2072

Myzus persicae

persistence of 5727

transmission of 2072, 6786

potato

in Brazil 2072

in Denmark 4349

in Poland 6786

in UK 4352, 7378

relation of cowpea aphid-borne mosaic
virus and 4948**Potato virus Y group**, in *Capsicum*, in
Nigeria 7477*potentillae*, *Amblyseius***Potyvirus group** (see Potato virus Y group)**Poultry farms**, insect pests of, changes in
status of 6237**Poultry feed**, insect recycling of animal
waste to produce 3513**Poultry laying mash**, *Trogoderma simplex*
in, development of 2378**Power-transmission poles**, termites in, in
Queensland 3106**PP-484** (see Primidophos)**PP-505** (see 2,4-Thiazolidinedione, 3,5,5-
trimethyl-, 2-[O[(methylamino)carbonyl-
]oxime])**PP-511** (see Pirimiphos-methyl)*praeceps*, *Tachina**praelonga*, *Orthezia**praetiosa*, *Bryobia**praetor*, *Apanteles***Prairie** (see Grassland)**Praon**

in cotton fields, in Tadzhikistan 386

parasitising

aphids, and biological control using, in
Maine 2968*Myzus persicae* 664

rearing of, techniques for 664

Praon bicolor

in Italy 6625

parasitising, *Eulachnus rileyi*, in Italy
6625***Praon dorsale***

descriptions of 3361

in South Korea 3361

Praon peguodorum

development in 361

in Canada 361

parasitising, *Acyrtosiphon pisum*, in
British Columbia 361***Praon volucre***

in Belgium 821

***Praon volucre* contd.**

in Bulgaria 1939

in Poland 322

parasitising

Acyrtosiphon dirhodum, in Belgium 821

aphids, in Bulgaria 1939

aphids on *Galium* 777*Aphis pomi*, in Poland 322*Dysaphis plantaginea*, in Poland 322*Hyalopterus pruni*, in Poland 322*Macrosiphum avenae*, in Belgium 821***prasina*, *Palomena******prasinana*, *Bena*, (*Hylophila*)*****prasiniferum*, *Spathosternum******pratensis*, *Formica* (see *F. nigricans*)*****pratensis*, *Lygus***(*Exolygus*)***pratensis*, *Oligonychus******pratti*, *Neodiprion******Prays citri***

control of, insecticides for 3971

in Cyprus 3971

on *Citrus*, in Cyprus 3971

oviposition in 1187

Prays oleae

control of

insecticides for 1433, 6140

timing of measures for 2575

hyperparasites of, in Spain 6140

in France 2575

in Spain 6140

in Tunisia 1433

on olive

in France 2575

in Spain 6140

in Tunisia 1433

parasites of

effects of insecticides on 6140

in Spain 6140

parasitised by, *Ageniaspis fuscicollis*

1830

traps for 2575

Prays oleellus* (see *P. oleae*)*Precipitin tests**

for distinguishing polyhedrosis viruses 481

for identifying plant viruses 7477

for identifying prey antigens in spiders 3488

Precoccinellin* (see Pyrido[2,1,6-d]quinolizine, dodecahydro-2-methyl-, (2 α ,3 α ,6 α ,9 α)-)*Predation, models of 765*****predator*, *Xanthopimpla*****Predators, interactions with prey**

5363–5364

Predatory insects, effects of insecticides on 766**Pregn-4-ene-3,20-dione, 21-(acetyloxy)-16-hydroxy-, synergist for, carbaryl 7087*****prelli*, *Adelges*, (*Dreyfusia*)*****Premnobius***

biology of 5692

in forests, in Brazil 5692

Prenolepis imparis

control of, baits for 2696

in USA 2696

Prepodes

control of 7223

on sugar-cane, in Dominican Republic 7223

Preservatives, diet component for, *Myzus**persicae* 1836***pretiosum*, *Trichogramma******prieskaensis*, *Sphaeraspis*****Primicid (see Pirimiphos-ethyl)****Primidophos (*O*-[2-(acetyethylamino)-6-methyl-4-pyrimidinyl] *O,O*-diethyl phosphorothioate)**adopted as common name in *RAE*, p. 9 against*Blissus insularis*, on *Stenotaphrum secundatum* 2822*Conotrachelus nenuphar*, on apple 7312**Primrose, cutleaf (see *Oenothera laciniata*)****Primula, *Heliothrips haemorrhoidalis* on, in Bulgaria 3027*****Primula obconica*, turnip mosaic virus in, aphid transmission of 5725*****primus*, *Cryptotermes*****Prince Edward Island**

forest pests in 5673

Senecio jacobaea in, *Tyria jacobaeae* for biological control of 2755*Tetramesa hordei* in, on barley 4258**Príncipe, *Aspidiotus destructor* in, on coconut 2845*****Prinsepia utilis****Thrips flavus* on, in Himachal Pradesh 4715*T. hawaiiensis* on, in Himachal Pradesh 4715***Prionoplus reticularis***

in New Zealand 2271

in forests, in New Zealand 2271

Prionopsis ciliata*, *Bothynus gibbosus* on, in Texas 153**Prionoxystus macmurtrei***

in USA 5065

in *Quercus* timber, in USA 5065***Prionoxystus robiniae***

in Canada 7429

in USA 5065, 7410, 7429

in *Quercus* timber, in USA 5065on *Quercus*, in Mississippi 7410

rearing of, diets for 3500

sex ratio in 7429

Prionus imbricornis

control of, insecticides for 7294

in USA 7294

on pecan

in Alabama 7294

- Prionus imbricornis* contd.**
 on pecan *contd.*
 in Georgia (USA) 7294
 rearing of, diets for 2425
- Priopoda*, parasitising, *Hoplocampa minuta*,**
 in Byelorussia 6010
- Priopoda nigricollis***
 oviposition in 4791
 parasitising, *Fenusa pusilla*, and biological
 control using, in Quebec 4791
 reproduction in 4791
- Priopoda stictica* 6010**
- Priscapalpus*, in Mexico 1722**
- Pristionchus uniformis***
 in
 insects, pathogenicity of 5092
 Leptinotarsa decemlineata, biological
 control with, in Poland 2960
- Pristiphora***
 in Finland 3997
 keys to 1718
 taxonomy of 3997
- Pristiphora abbreviata***
 biology of 1414
 in Bulgaria 1414
 on pear, in Bulgaria 1414
- Pristiphora abietina* 1718**
 control of
 Bacillus thuringiensis for 5657
 insecticides for 1525, 2296
 in Austria 2296, 3056
 in Czechoslovakia 1525
 in West Germany 5657, 5684
 on *Picea abies*
 in Czechoslovakia 1525
 in West Germany 5657
 parasites of, in Austria 3056
- Pristiphora bufo***
 taxonomy of
 Pristiphora pallidula as synonym of
 4605
 transferred from *Nematus* 4605
- Pristiphora compressa***
 in Czechoslovakia 1528
 on *Picea*, in Czechoslovakia 1528
 taxonomy of
 characters distinguishing *P. decipiens*
 and 1529
 characters distinguishing *P. saxesenii*
 and 1529
- Pristiphora decipiens***
 in Czechoslovakia 1528
 on *Picea*, in Czechoslovakia 1528
 taxonomy of
 characters distinguishing *P. compressa*
 and 1529
 characters distinguishing *P. saxesenii*
 and 1529
- Pristiphora erichsonii***
 distribution of 1718
 in Canada 771, 3547
 in USA 3547, 3833
- Pristiphora erichsonii* contd.**
 on *Larix* 910
 in Minnesota 3833
 parasitised by
 Bessa harveyi, in USA 3547
 Eclytus spp., in New York 3547
 Mesoleius tenthredinis
 and biological control using, in
 Minnesota 3833
 defence mechanisms against 3547
 Olesicampe benefactor
 and biological control using
 in Minnesota 3833
 in North America 3547
 Tritneptis klugii, in USA 3547
 population dynamics of 771
 preyed on by, small mammals, in
 Manitoba 771
Thelohania pristiphorae in, infectivity of
 910
- Pristiphora geniculata***
 on *Sorbus americana* 910
Thelohania pristiphorae in, infectivity of
 910
- Pristiphora gerula*, taxonomy of, restored to
 specific status 1718**
- Pristiphora glauca*, taxonomy of,**
Pachynematus laricivorus as synonym of
 4605
- Pristiphora laricis* 4605**
 in Switzerland 2161
 on *Larix decidua*
 effects of damage by *Zeiraphera diniana*
 on 2161
 in Switzerland 2161
 parasites of, in Switzerland 2161
- Pristiphora laricivorus*, taxonomy of 1718**
- Pristiphora leucopodia***
 in Czechoslovakia 1528
 on *Picea*, in Czechoslovakia 1528
- Pristiphora nigricorpus*, taxonomy of,**
 transferred from *Pachynematus* 4605
- Pristiphora pallidula*, taxonomy of, synonym
 of *P. bufo* 4605**
- Pristiphora pseudosaxesenii*, taxonomy of,**
 synonym of *P. wesmaeli* 1718
- Pristiphora saxesenii***
 in Czechoslovakia 1528
 on *Picea*, in Czechoslovakia 1528
 taxonomy of
 characters distinguishing *P. compressa*
 and 1529
 characters distinguishing *P. decipiens*
 and 1529
 Pristiphora thalenhorsti misidentified as
 1718
 group of, taxonomy of 1529
- Pristiphora saxesenii gerula*, taxonomy of,**
 restored to specific status 1718
- Pristiphora takagii*, taxonomy of, proposed
 as new name for *Pachynematus
 laricivorus* 1718**

Pristiphora thalenhorsti

- sp. n., description of 1718
 in Finland 1718
 in Switzerland 1718
 in UK 1718
 in West Germany 1718

Pristiphora wesmaeli, taxonomy of,
Pristiphora pseudosaxesenii as synonym
 of 1718

Pristomerus

- near *orbitalis*, parasitising, *Rhyacionia*
buoliana, in West Germany 202
 parasitising
Antigastra catalaunalis, in Nigeria
 2980
Phthorimaea operculella, in Zambia
 2070

Pristomerus austrinus

- in USA 4393
 parasitising, *Rhyacionia frustrana*, in
 Missouri 4393

Pristomerus spinator

- in USA 3678, 4343
 parasitising, *Elasmopalpus lignosellus*, in
 Oklahoma 3678, 4343

Pristomerus vulnerator

- biology of 6107
 in Austria 3252
 in India 1278
 in Japan 1932
 in USSR 6107
 in apple orchards, effects of insecticides
 on 6107
 parasitised by, *Perilampus tristis*, in
 Austria 3252
 parasitising
Cosmopterix phyllostachysea, in
 Ishikawa Prefecture 1932
Cydia pomonella
 in Austria 3252
 in Ukraine 6107
Phthorimaea operculella
 in Karnataka 1278
 in Maharashtra 1278

Pristomyrmex pungens

- associated with, *Myzus persicae*, in Japan
 3837
 in Japan 3837

Proadifen hydrochloride (2-

- (diethylamino)ethyl α -phenyl- α -
 propylbenzeneacetate hydrochloride)
 in *Calliphora vicina*, inhibitor of epoxide
 hydratase 6983
 in rat, inhibiting γ -BHC dehydrogenation
 5809
 in soy bean, inhibiting phorate
 sulfoxidation 3920
 in *Tenebrio molitor*, inhibitor of epoxide
 hydratase 6983

Probenecid 4-[(dipropylamino)sulfonyl]ben-
 zoic acid)

Probenecid contd.

- in *Rhodnius prolixus*, not affecting
 nicotine excretion 7072

Probergrothius angolensis, preyed on by,

Phonoctonus grandis 82

problematica, *Lachnosterna*, (*Holotrichia*)

proboscicodocoris, *Termatomiris*

Procambarus

- carbaryl in, residues of 4580
 3,5-dimethylphenyl methylcarbamate in,
 residues of 4580

Proceras sacchariphagus (see *Chilo*)

processionea, *Thaumetopoea*

Prochiloneurus aegyptiacus

- hyperparasitising, *Scymnus interruptus*, in
 Egypt 178
 in Egypt 178
 parasitising, *Homalotylus flaminus*, in
 Egypt 178

Prociophilus fraxini

- in Austria 931
Lasius umbratus associated with, in
 Austria 931
 on *Abies*, in Austria 931

Prociophilus pini

- control of, insecticides for 6830
 in Denmark 6830
 life history of 6830
 on *Crataegus*, in Denmark 6830
 on *Pinus sylvestris*, in Denmark 6830

Prociophilus tessellatus (see *Paraprociophilus*)

proclia, *Aphytis*

Proctodone 2440

Proctolaelaps, preying on, *Eldana*
saccharina, in Tanzania 260

Proctolaelaps dendroctoni, preying on,

Dendroctonus frontalis 3556

Proctolaelaps fiseri, preying on,

Dendroctonus frontalis 3556

Proctolaelaps pygmaeus

- in South Korea 2017
 preying on, *Aphanostigma iaksuiense*, in
 South Korea 2017

Proctotrupoidea

- in sugar-beet fields
 effects of insecticides on 3299
 in Poland 3299

Procytiphora autumnalis

- in Netherlands 1248
 on *Ulmus carpinifolia*, in Netherlands
 1248

Procytiphora mangiferae, on mango, galls
 of 7154

Prodan (see Silicate(2-), hexafluoro-,
 disodium)

Prodenia eridania (see *Spodoptera*)

Prodenia litura (see *Spodoptera*)

prodice, *Chrysocharis*

Profenofos (see Phosphorothioic acid, O-(4-
 bromo-2-chlorophenyl) O-ethyl S-propyl
 ester)

Proforcipomyia, taxonomy of 1493

- Prolan** (see Benzene, 1,1'-(2-nitropropylidene)bis[4-chloro-])
- Prolasioptera berlesiana**
in Greece 2900, 6552
in Syria 6552
on olive, in Greece 6552
parasitised by
 Tetrastichus spp.
 in Greece 6552
 in Syria 6552
parasitising, *Dacus oleae*, in Greece 2900
- Prolinase** (see Dipeptidase, prolyl)
- L-Proline**
in *Acheta domesticus* haemolymph 1753
in *Apis cerana* haemolymph 1753
in *Citrus* leaves, incorporation of ^{14}C into 137
in cotton 2088
in *Danaus chrysippus* haemolymph 1753
in *Dichocrocis punctiferalis* 4076
in *Dysdercus cingulatus* haemolymph 1753
in *Marasmia trapezalis* 4076
in *Mylabris phalerata* haemolymph 1753
in *Onitis distinctus* haemolymph 1753
in rice, effects of *Nilaparvata lugens* on 1965
in *Spodoptera exigua* haemolymph 1753
in *Spodoptera littoralis* hemolymph, effects of insecticides on 5797
in *Viteus vitifoliae* 2859
Spodoptera littoralis feeding response to 2088
- prolixa, Teleonemia**
- prolixus, Rhodnius**
- Promachus yesonicus**, wing beat in, analysis of 1807
- Promecarb** (3-methyl-5-(1-methylethyl)phenyl methylcarbamate)
against
 Agrotis segetum, on potato 2965
 Cryptorhynchus lapathi, on *Populus* 2144
 Henosepilachna guttatopustulata, on *Duboisia* 225
in *Apanteles glomeratus*, toxicity of 6965
mutagenicity of metabolites of 7679
with oil emulsion, against, *Ceroplastes rubens*, on *Citrus* 333
- promethea, Hyalophora**, (*Callosamia*)
- promissorius, Ichneumon**
- Pronase** (see Proteinase, *Streptomyces griseus*)
- Pronematus**
in vineyards
 effects of pollen applications on 1402
 effects of sulfur dusting on 1402
preyed on by, *Metaseiulus occidentalis*, in California 1402
preying on, *Schizotetranychus andropogoni*, in West Bengal 5513
- Pronematus bonatii**
biology of 6028
in Italy 6028
on mushroom, in Italy 6028
- pronuba, Noctua**
- pronubana, Cacoecimorpha** (*Tortrix*)
- Propachlor** (2-chloro-*N*-(1-methylethyl)-*N*-phenylacetamide)
with atrazine and carbofuran, compatibility of 3202
with atrazine and disulfoton, compatibility of 3202
with atrazine and phorate, compatibility of 3202
with carbofuran, compatibility of 3202
with disulfoton, compatibility of 3202
with insecticides 3327
with phorate, compatibility of 3202
- Propanal, 2-methyl-2-(methylsulfinyl)- α [(methylamino)carbonyl]oxime**, in soil fungi, aldicarb metabolite 6420
oxime, in soil fungi, aldicarb metabolite 6420
- Propanal, 2-methyl-2-(methylthio)-, α [(methylamino)carbonyl]oxime** (see Aldicarb)
- Propanedinitrile, [[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methylene]-**
against
 Heliothis virescens, on cotton 4374
 H. zea, on cotton 4374
- Propanedioic acid**
in *Caloglyphus berlesei*, metabolic inhibition by 6239
in *Tyrophagus putrescentiae*, metabolic inhibition by 6239
- Propanedioic acid, 1,3-dithiolan-2-ylidene-bis(1-methylethyl) ester**
against
 Nilaparvata lugens, on rice 7612
 Sogatella furcifera, on rice 7612
- Propanenitrile, 2-methyl-2-(methylsulfinyl)-**, in soil fungi, aldicarb metabolite 6420
- 1,2,3-Propanetricarboxylic acid, 2-hydroxy-**
in sugar-cane, effects on *Melanaphis indosacchari* reproduction of 2380
Lymantria dispar feeding responses to 4112
- 1,2,3-Propanetriol**
diet component for, *Galleria mellonella* 3508
for clearing *Eurygaster integriceps* eggs for parasite detection 4812
for separating insect eggs from rearing media 6088
for storing insect genitalia 5936
in *Basidiobolus ranarum*, effects on growth and sporulation of 6879
in *Ceratitis capitata*, incorporation into phospholipids of 1066

1,2,3-Propanetriol contd.

- in *Conidiobolus osmodes*, effects on growth and sporulation of 6879
- in *Cydia funebrana*, role in coldhardiness of 4622
- in *Entomophthora*, effects on growth and sporulation of 6879
- in *Eurosta solidaginis*, seasonal changes in 7110
- in *Schistocerca americana*, metabolism during flight of 6477
- in *Schistocerca gregaria*, not affecting muscle contraction 1250
- with streptomycin, in *Dacus oleae*, effects on larval development of 4101
- 1-(dihydrogen phosphate), in *Pieris rapae*, affinity of alkaline phosphatase for 6511

Propanoic acid

- anti-fungal agent for *Dacus oleae* eggs 5136
- in *Hyalophora cecropia*, not incorporated into JH 2443
- 2-phenylethyl ester
 - attractant component for, *Popillia japonica* 3927
 - with eugenol
 - in fish, toxicity of 5197
 - in rabbit, toxicity of 5197
 - in rat, toxicity of 5197
- sodium salt
 - in *Caloglyphus berlesei*, metabolic inhibition by 6239
 - in *Tyrophagus putrescentiae*, metabolic inhibition by 6239

Propanoic acid, 2-(4-chlorophenoxy)-2-methyl-, ethyl ester (see Clofibrate)**Propanoic acid, 2-(2,4-dichlorophenoxy)- (see Dichlorprop)****Propanoic acid, 2-hydroxy-**

- in *Ephestia cautella* haemolymph, effects of carbon dioxide anaesthesia on 2420
- Lymantria dispar* feeding responses to 4112

Propanoic acid, 2-oxo-, in Ephestia cautella haemolymph, effects of carbon dioxide anaesthesia on 2420**Propanoic acid, 3,3'-thiobis-**

- in *Caloglyphus berlesei*, metabolic inhibition by 6239
- in *Tyrophagus putrescentiae*, metabolic inhibition by 6239

2-Propanone, in Schistocerca gregaria, effects on muscle contraction of 1250**2-Propanone, 1,1-bis(4-hydroxyphenyl)-, in Spodoptera litura, ENP metabolite 7089****Propaphos (see Phosphoric acid, 4-(methylthio)phenyl dipropyl ester)****Propargite (2-[4-(1,1-dimethylethyl)phenoxy]-cyclohexyl 2-propynyl sulfite)****Propargite contd.****against**

- Aphis pomi*, on apple 1418
- Bryobia rubrioculus* 320
- on apple 847
- Panonychus citri* 5576
- P. ulmi* 320, 497
- on apple 847
- Tetranychus pacificus* 5576
- T. turkestanii* 7666
- T. urticae*
 - on apple 6109
 - on *Calla* 985, 1027
 - on *Capsicum* 985, 1027
 - on cucumber 985, 1027
- T. viennensis*, on apple 847
- in cottonseed, determination of 1826
- in groundnut, determination of 1826
- in maize, determination of 1826
- in Phytoseiidae, toxicity of 5576
- in *Phytoseiulus persimilis*, toxicity of 7666

Propazine (6-chloro-N,N'-bis(1-methylethyl)-1,3,5-triazine-2,4-diamine) with carbofuran, and terbutryne, compatibility of 3202**with disulfoton, and terbutryne, compatibility of 3202****with phorate, and terbutryne, compatibility of 3202****2-Propenal, 3-phenyl-, in Pogostemon heyneanus, insecticidal activity of 5057****1-Propene**

- homopolymer
 - in insect-resistant cans 4431
 - in packaging materials, insect susceptibility 3261

1-Propene, 3-isothiocyanato-, in Brassica juncea, effects on Lipaphis erysimi of 3080**1-Propene, 2-methyl-, homopolymer, against, Ellimenistes laeicollis, on coffee 1497****2-Propenoic acid, 3-[(dimethoxyphosphinothioyl)oxy]-2-methyl-, methyl ester, in wheat grain, residues of 6271****2-Propenoic acid, 3-phenyl-, in Mamestra configurata, pheromone precursor 4071****properans, Bembidion****Prophos (see Ethoprophos)****Propineb (homopolymer of [(1-methyl-1,2-ethanedithyl)bis[carbomodithioato]](2-)-zinc)**

- in *Acrostalagmus aphidum*, toxicity of 6982

- in *Trichogramma cacoeciae*, effects of 1603

propinqua, Cheilomenes**Propoxur (2-(1-methylethoxy)phenyl methylcarbamate)****against**

- Aeneolamia varia*, on sugar-cane 243

- Agriotes obscurus*, in grassland 300

Propoxur contd.

against contd.

Aphis fabae 5193on *Vicia faba* 3285*Atherigona approximata*, on *Pennisetum typhoides* 4830*Caryedon serratus*, in stored groundnuts 6234*Cerotoma trifurcata*, on soy bean 4341*Chortoicetes terminifera* 5987*Chrysomela scripta* 7433*Cosmopolites sordidus* 684*Hylobius abietis*on *Picea* 2139on *Pinus* 2139*H. pales* 1664*Lachnosterna nilgiria*, on coffee 2105*Laodelphax striatella*, on rice 835*Leptinotarsa decemlineata* 3205, 3286
on potato 372-373, 1468, 2961,
4969*Macrosiphum avenae*, on wheat 1939*Monosteira unicostata*, on almond
1406*Myzus humuli*, on hop 226, 3944,
7220*M. persicae*, on *Gerbera jamesonii*
1501*Neodiprion tsugae* 520*Nephotettix cincticeps*, on rice 2806*Nilaparvata lugens*, on rice 287*Otiorynchus sulcatus* 5542

pests of fruit trees 1629

pests of grapevine 1629

pests of hop 1629

Rhopalosiphum padi, on wheat 1939*Rhynchophorus ferrugineus*, on coconut
6089*Scapteriscus aetetus*, in pastures 7280*S. vicinus*, in pastures 7280*Schizaphis graminum*, on wheat 1939*Sitophilus oryzae* 700*Sogatella furcifera*, on rice 287*Spissistilus festinus*, on soy bean 4341*Taeniothrips simplex* 3027*Tetranychus urticae*, on *Gerbera jamesonii* 1501*Thrips tabaci* 3027*Trogoderma granarium*, in stored
groundnuts 6234*Udea ferrugalis* 3510, 5591in *Achaea janata*

effects on water loss of 6398

increasing excretion and water loss
3893

in earthworms, toxicity of 300

in grassland, non-target effects of 300

in *Phasianus colchicus*, esterase inhibition
by 6405

in pigeon, esterase inhibition by 6405

in tomato, residues of 5769

Propoxur contd.

resistance to, in

Aeneolamia varia, in Trinidad 243*Nephotettix cincticeps*, in Japan 2806*Schistocerca americana* 2648

mechanism of 1257

separation of other carbamates and 124
with γ -BHC

against

*Hylobius abietis*on *Picea* 2139on *Pinus* 2139*Leptinotarsa decemlineata*, on potato
373with diazinon, against, *Nephotettix cincticeps* 1656with dimethoate, against, *Nephotettix cincticeps* 1656with fenitrothion
against*Nilaparvata lugens*, on rice 287*Sogatella furcifera*, on rice 287with malathion, against, *Nephotettix cincticeps* 1656with methoxychlor
against*Leptinotarsa decemlineata* 3286
on potato 373, 2961with phenthoate, against, *Nephotettix cincticeps* 1656**Propylea quatuordecimpunctata**

fecundity in 5451

illustrations of 1106

in Bulgaria 7189

in Finland 5451

in Poland 1106

in USSR 5456

in orchards, in Poland 1106

preying on

Mamestra brassicae, in Bulgaria 7189*Myzus persicae* 5451**Prosapia bicincta**

on maize 2572

on *Pennisetum typhoides* 2572

on rye 2572

on sorghum 2572

on sugar-cane 2572

rearing of, techniques for 2572

Prosapia simulans

control of 4249

in Mexico 4249

on *Digitaria decumbens*, in Mexico 4249
population dynamics of 4249**Proscopiidae**

feeding behaviour in 4698

in Argentina 4698

proserpina, Tarophagus**Prosopis juliflora***Indarbela* spp. on, in Haryana 2867*Otinotus oneratus* on, in Tamil Nadu
1847

- Prospaltella**
 parasitic males of 6638
 parasitising, *Unaspis yanonensis*, in Japan 5101
- Prospaltella berlesei**
 in USA 3548
 parasitising
 Coccidae, and biological control using, in USSR 6638
 Pseudaulacaspis pentagona, in Florida 3548
- Prospaltella inquirenda**, parasitising, *Parlatoria pergandii*, and biological control using, in Morocco 6126
- Prospaltella lahorensis**
 in USA 6905
 parasitising, *Dialeurodes citri*, and biological control using, in Italy 6905
- Prospaltella opulenta**
 in Barbados 1429
 in Mexico 1429
 parasitising, *Aleurocanthus woglumi*, and biological control using, in El Salvador 1429
- Prospaltella perniciosi**
 in USA 6086
 in USSR 5457
 parasitising
 Aonidiella aurantii, and biological control using, in Greece 5103
 Quadraspidotus perniciosus and biological control using 4311
 in USSR 5552
 in West Germany 6086
 in Italy 6375
 in Krasnodar 5457
- Prospaltella smithi**
 in Taiwan 6748
 in citrus groves, effects of insecticides on 6748
 parasitising, *Aleurocanthus spiniferus*, in Taiwan 6748
- Prosternon tessellatum**
 biology of 6015
 in USSR 6015
 prey antigens in, detection of 5385
 preying on
 Neodiprion sertifer 5385
 in USSR 6015
- Protaetia acuminata**, mid-gut in 4008
- Protambulyx strigilis**
 descriptions of 5243
 in Brazil 5243
 on tomato, in Brazil 5243
- Protea**
 Coleoptera on
 damage caused by 5938
 in South Africa 5938
 Lepidoptera on
 damage caused by 5938
 in South Africa 5938
- Protea**, pests of, in South Africa 4387
- Protea barbiger**, pests of, in South Africa 1500
- Protective atmospheres**
 for control of grain pests 6260
 for control of milk-powder pests 7444, 7450–7451, 7456–7457
 for control of *Sitophilus* in grain 5348
 for pest control in stored grain 6303
 γ-irradiation of pests in 3433
 to control stored-product moths 4428
- Protein hydrolysate**
 bait component for
 Ceratitis capitata 2568
 Dacus cucurbitae 2568
 D. dorsalis 2568
 D. oleae 1181
 Rhagoletis pomonella 1420
 bait-spray component for, *Ceratitis capitata* 494
 diet component for
 Dacus oleae 3229
 Myzus persicae 1836
- Proteinase**
 digestion of nuclear polyhedrosis viruses by 4462
 in *Aphidoletes aphidimyza* salivary glands, not found 5261
 in *Attagenus megatoma* mid-gut 6472
 in *Bacillus thuringiensis* 5735–5736
 in *Beauveria tenella* 6345
 in *Chilo partellus* gut 581
 in *Dasineura amaramanjarae* gut 4038
 in *Pyrilla perpusilla* 5482
 in rice, effects of *Nilaparvata lugens* on 1965
 in *Serratia marcescens* 7488
 in *Spodoptera littoralis*
 effects of antifeedants on 1074
 effects of dietary sugars on 1119
 in *Tineola bisselliella* 37
 in *Tineola bisselliella* larvae 5862–5863
 in *Tribolium confusum*, effects of antifeedants on 2399
- Proteinase, alkaline**, in *Atta texana* fungus cultures 2695
- Proteinase, microbial neutral**
 in *Atta texana* fecal fluid 2694
 in *Atta texana* fungus cultures 2695
- Proteinase, serine**, in *Atta texana* fecal fluid 2694
- Proteinase, Streptomyces griseus**, digestion of nuclear polyhedrosis viruses by 4462
- Proteins**
 diet component for, *Ephialtes roborator* 663
 in *Achaea janata* hemolymph, effects of *Bacillus thuringiensis* on 6342
 in *Acheta domesticus*, hemolymph reducing synthesis of 4090
 in *Acheta domesticus* accessory glands, synthesis of 70
 in *Acheta domesticus* hemolymph 3424

Proteins contd.

- in *Anthonomus grandis*, during diapause 6474
- in *Apis mellifera* hemolymph, effects of growth regulators on 6977
- in *Aulacophora foveicollis* hemolymph, sex-specificity of 4679
- in barley grain, relation of resistance to *Sitophilus oryzae* and 6867
- in *Bombyx mori* larvae, synthesis during starvation of 6476
- in *Bombyx mori* nuclear polyhedrosis virus 3810-3811
- in *Calliphora vomitoria* cuticle 1750
- in *Cardiochiles nigriceps* feces 4795
- in *Channa punctatus* serum, effects of insecticides on 1055
- in *Choristoneura fumiferana* pox virus 469
- in *Cydia pomonella* cuticle 1750
- in *Dendroctonus pseudotsugae*, effects of nematode infection on 2230
- in *Drosophila melanogaster* accessory glands 6512
- in *Ephemera danica* hemolymph, effects of pesticides on 5272
- in *Eristalis tenax* cuticle 1750
- in *Eurygaster integriceps* hemolymph, effects of parasites on 5308
- in *Formica rufa* hemolymph, developmental changes in 5247
- in *Galleria mellonella* 2393
- in *Galleria mellonella* diet, effects on ovarian development of 3414
- in *Galleria mellonella* nuclear polyhedrosis virus 3810-3811
- in grasses, effects of *Solenopsis invicta* on 6609
- in HeLa cells, effects of insecticides on 2309
- in *Heliothis armigera*, effects of photoperiod on accumulation of 7090
- in *Heliothis virescens*
effects of β -ecdysone on synthesis of 2232
stimulating larviposition by *Archytas marmoratus* 784
- in *Leptinotarsa decemlineata* fat-body 36
- in *Leptinotarsa decemlineata* flight-muscle mitochondria, synthesis of 1760
- in *Leucoma salicis* hemolymph, effects of parasitism on 5272
- in locust cuticle, diflubenzuron not affecting 2283
- in *Locusta migratoria*, synthesis of 4190
- in *Locusta migratoria* cuticle 6490
- in *Locusta migratoria* haemolymph, homeostasis of 4189
- in *Locusta migratoria* intersegmental membranes 4758

Proteins contd.

- in lucerne
effects of *Hypera brunneipennis* on 302
relation to resistance to *Acyrtosiphon pisum* of 1982
- in *Lymantria dispar* nuclear polyhedrosis virus 2208
- in *Macrotermes subhyalinus*, synthesis of 2739
- in *Malacosoma americanum* haemolymph, effects of JH mimics on 1001
- in man, effects of carbaryl on 1058
- in *Manduca sexta* hemolymph
binding of JH to 607, 1137
effects of insecticides on 7088
- in *Melanoplus sanguinipes* accessory glands 6502
- in microsporidian spores 948-949
- in *Odontotermes badius* defensive secretion 212
- in *Oncopeltus fasciatus*, binding of isoxanthopterin to 6503
- in *Phryxe caudata* larvae 6463
- in *Picea abies*, not affecting development of *Gilpinia hercyniae* 7123
- in *Pieris brassicae*, correlation of pupal-adult transformation and 5258
- in *Plodia interpunctella* hemolymph 2419
binding of JH to 56
JH transport by 6286
- in Psyllid lerps 7049
- in rice, effects of *Nilaparvata lugens* on 1965
- in rice grain, effects of nitrogenous fertilizers on 1559
- in *Schistocerca americana* cuticle 1750
- in *Solenopsis invicta* queens
effects of reproduction on 5861
utilisation during brood production of 5259
- in soy-bean seeds, not affected by *Diacrisia obliqua* damage to plant 2059
- in *Spodoptera littoralis* hemolymph, effects of insecticides on 5797
- in *Spodoptera litura* nuclear polyhedrosis virus 6888
- in *Spodoptera mauritia* hemolymph, effects of nuclear polyhedrosis virus on 4032
- in *Tenebrio molitor* cuticle, control of synthesis of 2404
- in tomato, effects of insecticides on 5813
- in *Tribolium castaneum*, effects of dietary vitamins on 6496
- in wheat, relation of insect damage and 2780
- in wheat grain, effects of *Trogoderma granarium* on 6312

protenor, Papilio

proteus, Urbanus

(Eudamus)

Prothoate (*O,O*-diethyl *S*[2-[(1-methylethyl)amino]-2-oxoethyl]phosphorodithioate)against, *Galleria mellonella* 517

in honey bees, toxicity of 517

Protichneumon disparis, parasitising, *Lymantria dispar*, in Europe 3168**Protoaphin**, in *Aphis fabae*, effects of plant growth regulators on 5143**Protomicropplitis facetosa**

in USA 1916

parasitising, *Plathypena scabra*, in Iowa 1916**Protopulvinaria mangiferae**

descriptions of 7005

in Israel 7005, 7322

in Philippines 7005

in USA 7005

natural enemies of, effects of exhaust fumes on 7322

on *Eugenia jambolana*, in Israel 7322

on mango 7005

taxonomy of

lectotype for 7005

transferred from *Coccus* 7005**Protozoa**

in

Heteronychus arator, in New Zealand 3134

insects, in Puerto Rico 3137

Noctuidae 6918

biological control with, in USSR 3855

soil 5931

Tipulidae, in UK 7589

soil fungi in, pathogenicity of 227

protuberans, Dendrosoter**Protura**

in Turkey 4141

in pasture soil, factors affecting populations of 1367

provocans, Olcella**proxima, Athalia lugens****proxima, Meloboris****pruinosis, Iridomyrmex****prunastri, Eulecanium, (Sphaerolecanium)****Prune** (see Plum (dried fruit))**pruni, Eotetranychus, (Schizotetranychus)****pruni, Hyalopterus****prunicola, Schizotetranychus****prunifoliae, Rhopalosiphum** (see *R. padi*)**prunivora, Cydia, (Grapholitha)****prunivorata, Hydria****Prunus***Brachycaudus persicae* on 6453*Cilix glaucata* on, in Norway 5373*Hemichroa militaris* on 5227*Hypera brunneipennis* on, in California 3604**Prunus contd.***Lomographa bimaculata* on, in Norway 5373*Prunus americana*, Noctuidae on, in Ohio 323*Prunus amygdalus* (see Almond)*Prunus armeniaca* (see Apricot)*Prunus avium* (see Cherry)*Prunus besseyi*, plum pox virus in 5572**Prunus cerasus**

Cicadellidae on, in Michigan 331

dimethoate in, residues of 4564

Magicicada spp. on, in Ohio 6521

omethoate in, residues of 4564

peach X-disease, causal agent in, in Michigan 331

Rhagoletis cerasi on 73*R. fausta* on 544*Tetranychus viennensis* on

damage caused by 6547

in Iran 6547

Prunus divaricata, Eulecanium tiliae on, in Armenia 7307*Prunus insititia* var. *italica* (see Greengage)*Prunus insititia* var. *syriaca**Hoplocampa flava* on, in France 5386*H. minuta* on, in France 5386*Prunus lyonii, Dacus dorsalis* on, in California 2667**Prunus mahaleb**

plum pox virus in, in Yugoslavia 5720

Yponomeuta mahalebella on, in Netherlands 5226**Prunus padus***Rhopalosiphum padi* on, in USSR 1877*Yponomeuta euonymellus* on, in Netherlands 5226*Prunus persica* (see Peach)*Prunus persica* var. *nectarina* (see Nectarine)**Prunus serotina***Hydria prunivorata* on

in Canada 1425

in New York 1425

Noctuidae on, in Ohio 323

Rheumaptera undulata on, development of 5860**Prunus spinosa***Apoda avellana* on, in Norway 5373*Cilix glaucata* on, in Norway 5373*Myzus humuli* on, in Poland 4821*Yponomeuta padellus* on, in Netherlands 5226**Prunus virginiana***Malacosoma disstria* on, in North Dakota 3068, 4416

Noctuidae on, in Ohio 323

Prunus virus 7 Khristov (see Plum pox virus)*Prunus yedoensis, Lymantria dispar* on 2193

- Pryeria sinica***, cytoplasmic polyhedrosis virus in, infectivity of 2192
- Psallidium maxillæsum***
control of, insecticides for 7365
in Bulgaria 7365
on beet, in Bulgaria 7365
- Psalis pennatula***
descriptions of 6692
generation time in 6692
in India 6692, 6790
on eggplant, in Punjab 6790
on rice, in Punjab 6692
- Psallus seriatus***
control of, insecticides for 4373
development in, effects of temperature on 2522, 7389
in USA 3006, 4373, 6373, 7389
on cotton
 assessing infestations of 3006
 development of 7389
 in Oklahoma 3006
 in Texas 4373, 6373, 7389
 models of 6373
on *Croton*, development of 7389
on *Monarda punctata*, development of 7389
on *Oenothera lacinata*, development of 7389
- Psammotermes allocerus***
in Angola 1312
in Botswana 1312
in Mozambique 1312
in Rhodesia 1312
in South Africa 1312
pest status of 1312
- Psammotettix alienus*** (see *P. striatus*)
- Psammotettix confinis***, in Poland 5590
- Psammotettix striatus***
in Poland 5590
wheat (winter) mosaic virus in, transmission of 6673
- Psara bipunctalis***
control of, *Bacillus thuringiensis* for 3853
on *Amaranthus*, in Antilles 3853
- Psara licarsialis*** (see *Herpetogramma*)
- Pselliopus barberi***
biology of 4804
descriptions of 4804
in USA 4804
parasitised by, *Xanthomelanodes arcuatus*, in Missouri 4804
preying on
 Lygus spp., in Missouri 4804
 Molorchus bimaculatus, in Missouri 4804
- Pselliopus cinctus***
biology of 4804
descriptions of 4804
in USA 4804
parasitised by, Tachinidae, in Missouri 4804
- Pselliopus cinctus* contd.**
preying on, *Stictocephala lutea*, in Missouri 4804
- Psenulus schencki***
biology of 6011
in USSR 6011
preying on, Psyllidae, in Russian Republic 6011
- Psettichthys melanostictus***, DDE in, residues of 6409
- Pseudabutilon lozani***, *Anthonomus grandis* on, in Mexico 1331
- Pseudaletia separata*** (see *Mythimna*)
- Pseudaletia unipuncta*** (see *Mythimna*)
- pseudambrosiae***, *Uroleucon*, (*Dactynotus*)
- Pseudaonidia duplex***
illustrations of 6804
in USA 6804
on camellia, in Florida 6804
- Pseudaonidia paeoniae***
biology of 2531
illustrations of 6804
in USA 6804
on camellia, in Florida 6804
- Pseudaphycus***, parasitising, *Pseudococcus comstocki*, and biological control using, in USSR 5747
- Pseudaphycus malinus***
intraspecific competition in 5366
parasitising, *Pseudococcus comstocki* 5366
- Pseudatomoscelis seriatus*** (see *Psallus*)
- Pseudaulacaspis pentagona***
fungi in, in Japan 2238
in Egypt 7284
in Japan 2238
in Puerto Rico 2143
in USA 2023, 3548
life history of 2023
on peach
 in Florida 3548
 in Georgia (USA) 2023
on *Toona ciliata*, in Puerto Rico 2143
parasitised by, *Prospaltella berlesei*, in Florida 3548
preyed on by
 Dentifibula viburni, in Florida 3548
 Lindorus lophanthæ, in Florida 3548
- Pseudencyrtoides cupressi***
gen. et sp. nov., description of 6998
in USA 6998
parasitising, *Walshomyia cupressi*, in California 6998
- Pseudeucoila bochei***
parasitising
 Drosophila spp., distinguishing parasitised hosts 2492
 D. affinis 4035
 D. melanogaster 2717
- pseudoannulata***, *Lycosa*
- Pseudobonzia***
gen. n., description of 552

***Pseudobonzia* contd.**

illustrations of 552

pseudobrassicae*, *Rhopalosiphum* (seeLipaphis erysimi)***Pseudococcidae**

ants associated with, in Nigeria 3015

control of, insecticides for 1492

in Chile 691

in Mongolia 4142

in Peru 701

on cacao

in Nigeria 3015

in West Africa 1492

on *Citrus* 767on *Digitaria decumbens*, in Puerto Rico 1975

on fig and grapevine, in eastern Mediterranean 4302

on herbaceous plants, in Hungary 5239

on pulse crops 6771

on rice, in Papua New Guinea 4852

preyed on by, *Cryptolaemus montrouzieri* 767***Pseudococcus***

control of, insecticides for 3183

on grapevine, in New Zealand 3183

on soy bean

in Egypt 3668

varietal preference of 3668

***Pseudococcus adonidum*, taxonomy of,**

double immunodiffusion for

distinguishing similar Pseudococcids and 6445

Pseudococcus calceolariae

in Italy 6542

on *Citrus*, in Italy 6542

parasites of, attracted to virgin females 6542

parasitised by *Arhopoideus peregrinus* 6542

taxonomy of, double immunodiffusion for distinguishing similar Pseudococcids and 6445

Pseudococcus citriculus

in Philippines 15, 1088

parasitised by, *Anusoidea luzonica*, in Philippines 15, 1088***Pseudococcus comstocki***

control of

fumigants for 5753

insecticides for 5747

 γ -irradiation for 5953

in USSR 5747, 5753, 6549

on pear, in Maritime Territory 6549

on pomegranate, in Uzbekistan 5753

parasitised by

Allotropia spp., and biological control using, in USSR 5747*Clausenia purpurea* 5366*Pseudaphycus* spp., and biological

control using, in USSR 5747

P. malinus 5366***Pseudococcus fragilis* (see *P. calceolariae*)*****Pseudococcus longispinus****Bacillus thuringiensis* in, not pathogenic 6743

biology of 4092

control of, growth regulators for 410

in Egypt 4092

in Israel 6743

in Solomon Islands 1472

in USA 410

on *Ardisia crispa*, in Florida 410

on avocado, in Israel 6743

on *Colocasia esculenta*, in Solomon Islands 1472on *Gynura sarmentosa*, in Florida 410

on potato, development of 4092

parasites of, not affected by *Bacillus thuringiensis* 6743

parasitised by

Anagyrus fusciventris, in Israel 6743*Hungariella peregrina*, in Israel 6743***Pseudococcus maritimus***control of, γ -irradiation for 5953

on pear 768

preyed on by

Chrysopa spp., and biological control using 971*C. carnea* 768***Pseudococcus neomaritimus***

in Peru 701

on cotton, in Peru 701

Pseudococcus nipae* (see *Nipaecoccus*)**Pseudococcus obscurus***

control of, insecticides for 2111

in UK 2111

on *Saxifraga*, in England 2111

taxonomy of, double immunodiffusion for distinguishing similar Pseudococcids and 6445

Pseudocoremia suavis

cytoplasmic polyhedrosis virus in, morphology of 1517

in New Zealand 1228

on conifers, in New Zealand 1228

on *Pinus radiata* 1517***Pseudocunaxa***

gen. n., description of 552

illustrations of 552

Pseudodoniella laensis

in Papua New Guinea 3013

on cacao, in Papua New Guinea 3013

pseudoferus*, *Nabis***Pseudogonia rufifrons***

descriptions of 1302

in Malaysia 1302

parasitising, *Spodoptera mauritia*, in Sarawak 1302***Pseudoleptus*, in Mexico 1722*****pseudomagnoliarum*, *Coccus***

Pseudomonas

in

Hylemya platura, effects on oviposition of 2489*Ostrinia nubilalis*, in Iowa 7485*Rhagoletis completa* 7295

parathion in, metabolism of 5777

Pseudomonas aeruginosa

in

Curculio caryae

in Arkansas 3824

in Mississippi 3824

Galleria mellonella

pathogenicity of 7476

resistance to, effects of cobra venom

factor on 6897

rough mutants of 7476

Pseudomonas alcaligenesassociated with, *Neoaplectana carpocapsae* 1589in, *Galleria mellonella*, pathogenicity of 1589**Pseudomonas fluorescens**associated with, *Neoaplectana carpocapsae* 1589in, *Galleria mellonella*, pathogenicity of 1589**Pseudomonas maltophilia**associated with, *Neoaplectana carpocapsae* 1589in, *Galleria mellonella*, pathogenicity of 1589**Pseudomonas septica**

in

Trypodendron domesticum

in Switzerland 3543

in West Germany 3543

T. lineatum

in Switzerland 3543

in West Germany 3543

Pseudomyrmex, rearing of, techniques for 4722**Pseudonapomyza asiatica**

in India 3519

on *Eragrostis pilosa*, in Madhya Pradesh 3519

on maize, in Madhya Pradesh 3519

Pseudonapomyza spicata

in Egypt 1945

on maize

in Egypt 1945

relation of plant age and infestation of 1945

pseudonectis, *Cydia*, (*Laspeyresia*)**pseudoobscura**, *Drosophila***Pseudopalauris novaguineae**

gen. et sp. n., description of 6031

in Papua New Guinea 6031

on *Araucaria hunsteinii*, in New Guinea 6031**pseudopallipes**, *Peristenus*(*Leiothron*)**Pseudoparlatoria tillandsiae**

in USA 3025

on *Tillandsia usneoides*, in Georgia (USA) 3025**Pseudoperichaeta laevis**

biology of 4801

in Réunion 4801

in Rhodesia 4801

parasitising

Galleria mellonella 4801*Hedylepta indicata*, in Réunion 4801**Pseudoperichaeta major** auct. (see *P. nigrolineata*)**Pseudoperichaeta nigrolineata**

in USSR 6832

parasitising, *Tortrix viridana*, in Russian Republic 6832**Pseudoperonospora cubensis**

control of, fungicides for 5810

in, cucumber, in Netherlands 6909

Pseudopeziza medicaginis, in, lucerne, in California 2840**Pseudopezomachus**, parasitising, *Phytobia incisa*, in Bulgaria 279**Pseudophilus testaceus**

in Iran 7287

on palm

in Iran 7287

increasing susceptibility to termites 7287

pseudoplatani, *Monoctonus***Pseudoplusia includens**

activity in 3670

attractants for 4045

control of, development inhibitors for 2934

Entomophthora spp. in, in South Carolina 3822*E. gammae* in, in South Carolina 1590, 3127, 3821

feeding behaviour in 2936

in USA 1590, 2415, 2934–2935, 3127,

3670, 3821–3822, 4045, 7487

Nomuraea rileyi in

in South Carolina 1590, 3822

in USA 7487

pathogenicity of 7487

nuclear polyhedrosis virus in

effects of enzyme treatments on 4462

fixatives and embedding media for 4462

in South Carolina 3822

on soy bean

assessing infestations of 2935

damage caused by 2936

in Florida 4045

in Georgia (USA) 3670

in South Carolina 2934–2935, 3670, 3822

preyed on by, *Geocoris punctipes* 2534

sex pheromone of, inhibitors of response to 2415

- Pseudoplusia includens* contd.**
traps for 3670, 4701
- Pseudopraon mindariphagum***
gen. et sp. n., description of 2330
in Czechoslovakia 2330
parasitising, *Mindarus abietinus*, in
Czechoslovakia 2330
pupal development in 2330
- Pseudorhyssa maculicoxis***
in USA 188
parasitising, *Sirex* spp., in USA 188
- pseudosaxesenii*, *Pristiphora* (see *P. wesmaeli*)**
- Pseudoscorpiones*, in storehouses, in Yugoslavia 6853**
- Pseudotargionia*, keys to 558**
- Pseudotargionia anareolae***
sp. n., description of 558
in South Africa 558
on *Acacia nigrescens*, in South Africa 558
- Pseudotargionia glandulosa*, taxonomy of, lectotype for 558**
- Pseudotsuga menziesii***
Choristoneura murinana on, development of 3067
C. occidentalis on
in Idaho 4408
in USA 5009
- Dendroctonus pseudotsugae* on 32**
in Idaho 3211
in Oregon 4391, 4999
- Hemerocampa pseudotsugata* on**
in Oregon 1521
in USA 1515
- Hymenoptera on, in West Germany 3055**
- Marmara oregonensis* on**
in British Columbia 2343
in Oregon 2343
- Megastigmus spermotrophus* on, in West Germany 2133**
- Melanophila drummondii* on, in Washington 1511**
- Pleocoma* spp. on, in Oregon 6814**
- Urocera gigas* on, in Northern Ireland 4154**
- pseudotsugae*, *Dendroctonus pseudotsugata*, *Hemerocampa* (*Orygia*)**
- pseudoturesis*, *Trissolcus psi*, *Acrionicta*, (*Apatele*)**
- psidii*, *Chloropulvinaria* (*Pulvinaria*)**
- psidii*, *Conotrachelus***
- Psidium guajava* (see Guava)**
- Psila rosae***
biology of 2956
control of
crop management for 5618
insecticides for 499, 1466, 2955, 2957, 3189, 3272, 3946–3947, 3950, 4581, 6166, 7370, 7528
- Psila rosae* contd.**
control of *contd.*
integrated 4512
in Canada 7370
in France 2957, 3950, 5392
in New Zealand 3189
in Poland 2955
in Switzerland 2069
in UK 499, 2068, 2956, 3272, 3946–3947, 5618, 5978, 6166, 7528
on carrot
in England 2068, 3946–3947, 5618
in France 2957, 5392
in New Zealand 3189
in Northern Ireland 499, 5978
in Ontario 7370
in Poland 2955
in Switzerland 2069
in UK 3272, 6166, 7528
oviposition in, effects of light on 2069
traps for 2069
- Psilopa leucostoma***
in USA 1465
on *Atriplex patula*, in Washington 1465
on sugar-beet, in Washington 1465
- Psiloptera guildini***
in Grenada 5399
on lime (*Citrus*), in Grenada 5399
- Psilus***
coldhardiness in 3471
parasitising
Ceratitis coffeae, in Uganda 1496
Rhagoletis indifferens, in Oregon 3471
- Psithyrus***
parasitised by, Diptera, in Ontario 6003
Parasitus spp. associated with, in Alberta 5993
- Psix abnormis***
gen. et sp. nov., description of 6997
in Afghanistan 6997
- Psocidae***
control of, insecticides for 6875
in books, in Canada 6875
in dwellings, in Canada 6875
- Psocoptera***
in Jamaica 2
in UK 5
in *Ephestia kuehniella* nests 4712
in milk powder, in Japan 7456
in milk-powder factories, in Japan 7447
keys to 2
preyed on by, *Cunaxa capreolus* 4129, 6616
taxonomy of, characters for 5
- Psoricoptera gibbosella***
biology of 6824
descriptions of 6824
in Yugoslavia 6824
on *Quercus*
damage caused by 6824
in Yugoslavia 6824

- PSP-204** (see Phosphorodithioic acid, *S* [(ethylsulfinyl)methyl] *O,O*-bis(1-methylethyl) ester)
- Psychidae**, in West Indies 2335
- Psychophagus**, parasitising, *Hyphantria cunea*, in Yugoslavia 6546
- Psychophagus omnivorus**
in USSR 5980
parasitising, *Hyphantria cunea*, in Moldavia 5980
- Psylla klapaleki**
in Noray 431
on *Picea abies*, in Norway 431
- Psylla mali**
control of, insecticides for 3165, 5569, 7508, 7513
in Poland 4130, 6928
in Switzerland 3626
in UK 3165, 5569, 7508, 7513
on apple
 damage caused by 6928
 in England 5569, 7508, 7513
 in Poland 6928
 in Switzerland 3626
 in UK 3165
on pear 6733
population dynamics of 3626
seasonal abundance of 4130
- Psylla pyri**
control of
 growth regulators for 4315
 insecticides for 5750, 7546
in France 7546-7547
in Yugoslavia 4908
on pear
 in France 7546-7547
 in Yugoslavia 4908
oviposition in 7547
pear decline, causal agent in, transmission of 4908
predators of, not affected by growth regulators 4315
preyed on by, *Anthocoris nemorum* 4315
- Psylla pyricola**
biology of 4316
control of, insecticides for 3957, 4316
diapause in, prevention of 3452
in Iran 4316
in USA 7319
literature on 4319
on pear
 distribution pattern of 1288
 in Colorado 7319
 in Iran 4316
on *Pyrus communis* × *P. ussuriensis*, resistance to 5571
preyed on by, *Anthocoris nemoralis* 1288
- Psylla pyrisuga**
biology of 7316
in USSR 7316
in Yugoslavia 4908
- Psylla pyrisuga contd.**
on pear
 in Crimea 7316
 in Yugoslavia 4908
on *Pinus nigra*, in Crimea 7316
pear decline, causal agent in, transmission of 4908
- Psylla uncatoides**
biology of 21
in USA 21
on *Acacia*, in California 21
on *Albizia*, in California 21
- Psyllidae**
control of 2590
 insecticides for 1492
food-plants of 5228
in Moldavia 5228
in Philippines 1077-1078
in USSR 5370
Mycoplasmatales in, transmission of 4457
on cacao, in West Africa 1492
on *Ficus nervosa*
 in Taiwan 5575
 leaf-margin-roll galls of 5575
on pear, in Moldavia 2590
on *Picea abies*, in Norway 431
preyed on by
 Anystis baccarum 5995
 Deraeocoris nebulosus, in Pennsylvania 6614
 Leptogaster cylindrica, in USSR 1876
 Psenulus schencki, in Russian Republic 6011
 Syrphidae, in Kenya 1897
- Psylliodes attenuatus**
in Poland 6648
on hop, in Poland 6648
- Psylliodes chrysocephalus**
control of, insecticides for 7387
in East Germany 4523
in Poland 6648
in UK 7387, 7601
on rape
 in East Germany 4523
 in England 7601
 in Poland 6648
 in UK 7387
- Psylliodes cupreus**
in Poland 2745
on Cruciferae, in Poland 2745
- Psylliodes parilis**
control of, insecticides for 225
in Australia 225
on *Duboisia leiccharidia*, in Queensland 225
on *Duboisia myoporoides*, in Queensland 225
- psyllioides, Gibbium**
4,7(1H,8H)-Pteridinedione, 2-amino-
(isoxanthopterin)

- 4,7(1H,8H)-Pteridinedione, 2-amino-**, in *Oncopeltus fasciatus*, protein binding of 6503
- Pteridines**, in *Colias eurytheme*, effects of photoperiod and temperature on 103
- pteridis**, *Empoasca*
- Pterins**, in *Agrotis segetum*, biosynthesis of 580
- Pteris**, *Eriosoma longipilosum* on, in Uttar Pradesh 7134
- Pterocarpus macrocarpus**, *Singapore diversa* on, in Thailand 2348
- Pteromalidae**
in Kazakhstan 5836
in warehouses, in Maharashtra 1549
parasitising
Ips subelongatus, in Tuva ASSR 5694
Lepidoptera, in Switzerland 2128
Syrphidae, in Poland 185
- Pteromalus puparum**
host specificity in, nutritional aspects of 6022
in Canada 1886–1887, 4133
in Switzerland 5789
in USSR 6767
parasitising
Pieris brassicae
in Caucasus 6767
in Switzerland 5789
P. rapae 1816
in Caucasus 6767
in Japan 4133
in Kagawa Prefecture 1886–1887
Rhopalocera 6022
- Pteronidea miliaris** (see *Nematus*)
- Pterostichus**
in sugar-beet fields, in UK 4347
insecticides in, toxicity of 802
on grasses, in Argentina 774
preying on, insects, in Argentina 774
traps for 802
- Pterostichus alternans**
in USA 2705
in relict grassland, in Iowa 2705
- Pterostichus angustatus**, males of, effects of photoperiod on maturation of 4063
- Pterostichus barbarus atlanticus**, gonads in, effects of external factors on development of 5879
- Pterostichus chalcites**
in USA 2705
in maize fields, in Iowa 2705
- Pterostichus coracinus**
biology of 295
in Canada 295
in hay fields, in Nova Scotia 295
- Pterostichus cristatus**
in Belgium 1199
in forests, in Belgium 1199
population dynamics of 1199
traps for 1199
- Pterostichus cupreus**, in grain fields, effects of insecticides on 6040
- Pterostichus lucublandus**
biology of 295
in Canada 295, 326
in USA 2705
in apple orchards, in Quebec 326
in fencerows, in Iowa 2705
in hay fields, in Nova Scotia 295
in maize fields, in Iowa 2705
in relict grassland, in Iowa 2705
- Pterostichus madidus**
biology of 651
in Belgium 1199
in UK 651
in forests, in Belgium 1199
Mermis nigrescens in, in England 651
population dynamics of 1199
traps for 651, 1199
- Pterostichus melanarius**
development in, effects of temperature on 7122
in Canada 326
in UK 799, 802, 4347, 4772
in West Germany 6007
in apple orchards, in Quebec 326
in grain fields, in England 4772
in sugar-beet fields, in UK 4347
insecticides in, toxicity of 802, 1054
preying on
aphids, in England 799
Coleoptera, in England 4772
- Pterostichus niger**, in grain fields, effects of insecticides on 6040
- Pterostichus nigrinus**, males of, effects of photoperiod on maturation of 4063
- Pterostichus oblongopunctatus**
in Belgium 1199
in forests, in Belgium 1199
males of, effects of photoperiod on maturation of 4063
population dynamics of 1199
traps for 1199
- Pterostichus strenuus**, in West Germany 6007
- pterostichus**, *Thisoicetrinus*
- Pterostichus vulgaris**
in Poland 1602
in West Germany 1198
in grain fields, effects of insecticides on 6040
insecticides in, toxicity of 1602
prey of, in West Germany 1198
traps for 1198
- Ptilinus pectinicornis**
in Italy 4445
in *Populus* timber, in Italy 4445
- Ptilocephala plumifera**
in Switzerland 4598
parasitised by, *Necremnus plumiferae*, in Switzerland 4598

- Ptilodon capucina***
in USSR 4388
on *Betula*, in USSR 4388
- Ptinidae**, in foodstuffs 6855
- Ptycholoma lecheana***
in Hungary 4307
on apple, in Hungary 4307
parasites of, in Hungary 4307
- Ptycholoma peritana***
biology of 2848
in Canada 2848
in USA 2848
on strawberry
in California 2848
in Quebec 2848
- Ptycholoma pulchra***
in Japan 1094
parasitised by
Scambus coniferae, in Japan 1094
S. kamijoi, in Japan 1094
- Ptycholomoides aeriferanus***
in Japan 1094
parasitised by
Coccysomimus acutulus, in Japan 1094
Scambus coniferae, in Japan 1094
- Ptyelus sexvittatus***
in India 2371
mycetomes in 2371
on cotton 2371
on *Ricinus communis* 2371
- puberulus*, *Sitona cambricus***
- pubescens*, *Harpalus*** (see *H. rufipes*)
- publicollis*, *Allotria*** (see *Phaenoglyphis ruficornis*)
- Puccinia arachidis***
in
groundnut
Euphysothrips minozzii feeding on
spores of 6781
in Tamil Nadu 6781
- Puccinia chondrillina***, in, *Chondrilla juncea*,
and biological control using, in Australia 2754
- Puccinia graminis***, relation between
atmospheric environment and 1173
- Puccinia oahuensis***, in, *Digitaria decumbens*,
in Queensland 298
- Puccinia polysora***, relation between
atmospheric environment and 1173
- Puccinia recondita***, relation between
atmospheric environment and 1173
- Puccinia triticina*** (see *P. recondita*)
- pudicus*, *Carpocoris***
- Pueraria phaseoloides*, *Plectrophorus lutra***
on, in Surinam 3637
- Puerto Rico**
coastal biota in, pesticide residues in 6412
Cosmopolites sordidus in, on banana 2904
- Puerto Rico** *contd.*
Diaprepes abbreviatus in, on orange 5585
Diatraea saccharalis in, natural enemies of 3137
Empoasca fabae in, on *Phaseolus vulgaris* 2927
Etiella zinckenella in, on *Cajanus cajan* 2943
Forcipomyia fuliginosa in 5463
natural enemies of 5462
grassland in, pests of 1975
Heliothis virescens in 6794
on *Cajanus cajan* 2943
Hypsipyla grandella in, on *Cedrela* 2143
Manduca sexta in
natural enemies of 3717
on tobacco 3717
Myzus persicae in
natural enemies of 3137
on *Capsicum annuum* 3695
Pheidole moerens in 5432
Phytoseiidae in 6430
Pseudaulacaspis pentagona in, on *Toona* 2143
- pujoli*, *Sophrorhinus***
- pulchella*, *Calisto***
- pulchella*, *Marietta***
- pulchella*, *Utetheisa***
- pulchellana*, *Argyrotaenia***
- pulcher*, *Aphidius***
- pulcher*, *Cenopalpus***
- pulchra*, *Allograpta***
- pulchra*, *Ptycholoma***, (*Archippus*)
- pulchricornis*, *Meteorus***
- pulchripennis*, *Rhopalicus***
- pulchrum*, *Eurydema***
- Pulegone** (see Cyclohexanone, 5-methyl-2-(1-methylethylidene)-, (R)-)
- pulicaria*, *Chaetocnema***
- pullata*, *Clemelis***
- pullus*, *Thrips tabaci***
- Pulse crops**
pest control on 6771
pests of 6771
- Pulses, *Kakothrips pisivorus*** on, in Bulgaria 3027
- Pulses (stored)**
Callosobruchus chinensis in, damage caused by 6873
C. maculatus in, damage caused by 6873
insect pests of 7463
pest control in, γ -irradiation for 3219
- pulverulentus*, *Goes***
- Pulvinaria aurantii*** (see *Chloropulvinaria*)
- Pulvinaria mesembryanthemi*** (see *Pulvinariella*)
- Pulvinaria psidii*** (see *Chloropulvinaria*)
- Pulvinariella mesembryanthemi***
in South Africa 3991
parasitised by, *Microterys annekei*, in South Africa 3991

- pumicana*, *Cnephasia*
pumilata, *Gymnoscelis* (see *G. rufifasciata*)
pumilionis, *Chlorops*
Pummelo (see *Citrus grandis*)
Pumpkin (see Squash)
Pumpkin oil, against, *Tetranychus urticae* 1004
Punarnavomyia boerhaaviaefoliae, on *Boerhavia diffusa*, galls of 7154
punctatum, *Anobium*
punctatus, *Cylindroiulus*
punctatus, *Dendroctonus*
punctatus, *Dendrolimus*
punctatus, *Sycoscapter*
puncticollis, *Sitona*
puncticornis, *Leucopis*
punctifer, *Xyleutes*
punctiferalis, *Dichrocrocis*
punctiger, *Isostasius*
punctillum, *Stethorus*
punctipennis, *Epicauta*
punctipes, *Aphycus*, (*Metaphycus*)
punctipes, *Geocoris*
punctiventris, *Bothynoderes*
punctiventris, *Phygadeuon*
punctulatus, *Deraeocoris*
punctulatus, *Liotryphon*
punctum, *Stethorus*
pundibunda, *Dasychira*
pungens, *Pristomyrmex*
pungiscus, *Epitrimerus*
Punica granatum (see Pomegranate)
punicae, *Aphis*
punicaeella, *Euzophera* (see *E. bigella*)
puparum, *Pteromalus*
pupivora, *Trichospilus*
purchasi, *Icerya*
Purina Chow, *Cryptolestes* spp. in, development of 3096
1HPurine-6-amine, in *Tribolium confusum* diet, effects on development of 5246
1HPurine-6-amine, *N*-(2-furanylmethyl)-, in *Aphis fabae*, effects on reproduction of 2625
1HPurine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl-, in *Ephestia kuehniella*, effects on neurosecretion of 6497
6HPurine-6-one, 2-amino-1,7-dihydro-, in *Pieris brassicae*, role in purine metabolism of 1743
Purines, in *Agrotis segetum*, degradation of 580
1HPurine-2,6,8(3H)-trione, 4,9-dihydro- in *Anthonomus grandis*, decreasing during diapause 6474
in *Cardiochiles nigriceps* feces 4795
in *Heliothis virescens* feces, effects of parasitism on 4795
in maize grain, relation of resistance to Coleoptera and 1563
in *Manduca sexta* feces 4054
1HPurine-2,6,8(3H)-trione, 4,9-dihydro- contd.
in *Pieris brassicae*
correlation of pupal-adult transformation and 5258
metabolism of 1743
in *Pieris brassicae* fat-body 4028-4029
in *Spodoptera litura* haemolymph, effects of *Bacillus thuringiensis* on 886
1HPurine, in *Pieris brassicae*, metabolism of 1743
6HPurine-6-one, 2-amino-1,7-dihydro-, in *Tribolium confusum* diet, effects on development of 5246
purpurata, *Senoclidia*
purpurea, *Clausenia*
purpureipennis, *Carpocoris* (see *C. pudicus*)
purpureus, *Iridomyrmex*
Purslane (*Portulaca oleracea*)
Loxostege spp. on, in North America 7032
Nysius vinitor on, in New South Wales 6661
pusana, *Numicia maculosa*
pusilla, *Blennocampa*
pusilla, *Fenusa*
pusilla, *Liriomyza*
pusilla, *Microlinyphia*
pusilla, *Oscinella*
pusillimus, *Diapus*
pusillus, *Cryptolestes* (*Laemophloeus*)
pusillus, *Crypturgus*
pusio, *Hippelates*
pustulans, *Asterolecanium*
pustulata, *Mylabris*
pustulosa, *Epilachna*
putrescentiae, *Tyrophagus*
putripennella, *Blastodacna* (see *B. atra*)
Pyemotes
biology of 6108
keys to 2478
parasitising, *Cydia pomonella*, in Uzbekistan 6108
Pyemotes dimorphus
sp. n., description of 2478
life history of 2478
parasitising, *Phloeosinus canadensis* 2478
Pyemotes herfsi
in Egypt 3704
preying on, *Pectinophora gossypiella*, in Egypt 3704
Pyemotes scolyti, group of 2478
Pyemotes ventricosus
control of, acaricides for 7522
in Australia 7522
prey of 2711
group of 2478
Pyemotidae
biology of 2326
phoretomorphic forms of 3386

- Pygaera anastomosis***
 biology of 3758
 control of, insecticides for 3758
 in Pakistan 3758
 in Yugoslavia 3052
 on *Populus*
 in Pakistan 3758
 resistance to 3758
 on *Populus alba*, in Yugoslavia 3052
 on *Populus americana*, in Yugoslavia 3052
 on *Populus euroamericana*, in Yugoslavia 3052
 parasitised by
 Rogas spp., in Pakistan 3758
 Telenomus spp., in Pakistan 3758
 population dynamics of 3052
- Pygaera anastomosis orientalis***, cytoplasmic polyhedrosis virus in, infectivity of 2192
- pygiacus*, *Tydeus***
pygmaea*, *Heteropeza
pygmaea*, *Leptispa
pygmaeus* *Anatrichus
pygmaeus*, *Proctolaelaps
pygmaeus*, *Scolytus
pygmaeus*, *Triclistus
Pygmephorus
 control of, acaricides for 2740
 on mushroom 2740
- Pygmephorus mesembrinae***
 biology of 6028
 in Italy 6028
 on mushroom, in Italy 6028
- pyloalis*, *Glyphodes***
pylonitis*, *Eucosma
Pyraecantha
 Aphis citricola on, in California 2110
 A. gossypii on, in California 2110
- Pyralidae**
 control of, insecticides for 7608
 food-plants of 2148
 in East Germany 7128
 in Malaysia 2148
 in Sardinia 1201
 in milk powder, in Japan 7456
 on maize, in Switzerland 1948
 on rice 7608
 parasitised by, *Venturia canescens* 6622
 preyed on by, *Achaearanea tepidariorum*, in Nagasaki Prefecture 2718
 traps for 1201
- pyralis*, *Sacadodes***
Pyrameis cardui (see *Cynthia*)
pyramidoides*, *Amphipyra
2H-Pyran-6-carboxylic acid, 3,4-dihydro-2,2-dimethyl-4-oxo-, butyl ester (see Butopyronoxyl)
- pyrastris*, *Scaeva***
Pyrausta machaeralis
 adults of, distinguishing sexes of 7438
 in India 4087, 7438
- Pyrausta machaeralis* contd.**
 on *Tectona grandis*, in India 4087, 7438
 pupae of, distinguishing sexes of 7438
 sterilisation of, chemosterilants for 4087
- Pyrausta nubilalis*** (see *Ostrinia*)
Pyrausta sticticalis (see *Loxostege*)
- Pyrazine, 2,6-bis(1-aziridinyl)-**, sterilant for, *Heliothis virescens* 3262, 5760
- 1H-Pyrazole-1-propanoic acid, 5-[[[(dimethylamino)carbonyl]oxy]-3-methyl-ethyl ester**
 against
 Macrosiphum avenae, on oats 2256
 Oulema melanopus, on oats 2256
- 3H-Pyrazol-3-one, 4-(dimethylamino)-1,2-dihydro-1,5-dimethyl-2-phenyl-** (see Aminophenazone)
- Pyrazolo[1,5-a]pyrimidine-6-carboxylic acid, 2-[[diethoxyphosphinothioyl]oxy]-5-methyl-**
 ethyl ester
 in *Phytoseiulus persimilis*, toxicity of 7673
 in *Trichogramma cacoeciae*
 effects of 1603
 toxicity of 3910
- Pyrazophos** (see Pyrazolo[1,5-a]pyrimidine-6-carboxylic acid, 2-[[diethoxyphosphinothioyl]oxy]-5-methyl-, ethyl ester)
- Pyrethrins**
 against
 Acanthomia tomentosicollis, on bean 510
 Alphitobius diaperinus 2168
 Attagenus megatoma, in textiles 3083, 5702
 Galleria mellonella 517
 Hylobius pales 1664
 Lambdina fiscellaria 520
 Lasioderma serricorne 1547
 Leiodinychus krameri 5055
 Leucinodes orbonalis, on eggplant 5634
 Neodiprion tsugae 520
 pests of packaging materials 6248
 pests of stored products 6246
 pests of stored wheat 6276
 Sitophilus zeamais 1672
 Sitotroga cerealella 1675
 Taeniothrips simplex, on *Gladiolus* 7408
 Tetranychus urticae 1004
 Tineola bisselliella, in textiles 5702
 Tortrix viridana, on *Quercus* 6832
 Tribolium castaneum 5046, 6923
 in beneficial insects, toxicity of 5205
 in honey bees, toxicity of 517
 in *Phytoseiulus persimilis*, toxicity of 7673
 in *Schistocerca americana*, effects on nerve function of 2290

Pyrethrins *contd.*

- repellent for, *Tribolium confusum* 3930
 resistance to, in, *Trialeurodes vaporariorum* 5794
 synergists for
 MGK Synergist 264 as 3083
 piperonyl butoxide as 510, 1672, 3083, 3930, 5055, 5702, 5798
 piprotal as 3083
 WHO/FAO data sheet on 6955
 with chlordimeform, against, *Heliothis virescens* 6399
 with nuclear polyhedrosis virus, against, *Spodoptera litura* 6889
 with oil emulsion, against, *Tribolium castaneum* 5798
 with resmethrin, against, *Trialeurodes vaporariorum* 3937
 with rotenone
 against
 Lasioderma serricorne 1547
 Trialeurodes vaporariorum 3937

Pyrethroids

- biological activity of, relation of chemical structure to 7596
 in *Musca domestica*, structure-activity relations of 4554
 structure-activity relations in 6953

Pyrethrum (see Pyrethrins)**Pyrethrum cinerariaefolium** (see *Chrysanthemum*)**pyrgo**, *Pediobius***Pyrgotosoma flavidum**

- in Argentina 775
 parasitising, *Sericoides rechencui*, in Argentina 775

pyri, *Eptrimerus***pyri**, *Eriophyes*, (*Phytoptus*)**pyri**, *Psylla***pyri**, *Saturnia***pyri**, *Typhlodromus***pyricola**, *Psylla***Pyridafenthion** (see Phosphorothioic acid,

O-(1,6-dihydro-6-oxo-1-phenyl-3-pyridazinyl) *O*,*O*-diethyl ester)

3,6-Pyridazinedione, 1,2-dihydro- (see MH)**Pyridine**, 3-(1-methyl-2-pyrrolidinyl)- (*S*)- (nicotine)

against

- Aphis nasturtii*, on potato 3680
Aulacorthum solani, on potato 3680
Macrosiphum euphorbiae
 on *Capsicum* 5635
 on potato 3680
Myzus persicae
 on *Capsicum* 5635
 on potato 3680
Pseudococcus obscurus, on saxifrage 2111
 in *Chrysopa carnea*, toxicity of 5635

Pyridine, 3-(1-methyl-2-pyrrolidinyl)- *contd.* (*S*)- *contd.*

in *Coccinella septempunctata*, toxicity of 5635

in insects, excretion of 7072

in *Phytoseiulus persimilis*, toxicity of 7673

insect control using 7573

sulfate, (*S*)-

against

Sitotroga cerealella 1675

Trialeurodes vaporariorum 1694

in *Encarsia formosa*, toxicity of 1694

3-Pyridinecarboxylic acid

diet component for, *Oryzaephilus mercator* 2418

in *Heliothis virescens* diet, requirement for 665

in *Sitophilus oryzae* diet, requirement for 1757

Tetranychus urticae feeding response to 1710

4-Pyridinecarboxylic acid, 2-(1-methylethyl)hydrazide (see Iproniazid)**2,6-Pyridinedicarbonitrile**, 3,4,5-trichloro-, against, *Aspergillus niger* 3282**2,6-Pyridinedicarboxylic acid**, for protecting *Bacillus thuringiensis* spores from UV 486**3,4-Pyridinedimethanol**, 5-hydroxy-6-methyl- diet component for, *Oryzaephilus mercator* 2418

in *Sitophilus oryzae* diet, requirement for 1757

hydrochloride, *Tetranychus urticae* feeding response to 1710

2(1H)-Pyridinethione, 1-hydroxy-, sodium salt, for eliminating bacterial contaminants from insect virus preparations 6348**2-Pyridinol**, 3,5,6-trichloro-

in *Cynodon dactylon*, chlorpyrifos-methyl metabolite 1981

in maize, chlorpyrifos-methyl metabolite 1981

in milk, chlorpyrifos metabolite 6985

9H-Pyrido[3,4-b]indole, 7-methoxy-1-methyl-, in *Schistocerca americana*, effects of 1761**9H-Pyrido[3,4-b]indole**, 1-methyl-, in *Schistocerca americana*, effects of 1761**3H-Pyrido[3,4-b]indol-7-ol**, 4,9-dihydro-1-methyl-, in *Schistocerca americana*, effects of 1761**9H-Pyrido[3,4-b]indol-7-ol**, 1-methyl-, in *Schistocerca americana*, effects of 1761**Pyrido[2,1,6-de]quinolizine**, dodecahydro-2-methyl-, (2 α ,3 α β,6 α ,9 α β)-, in *Ceratomegilla maculata* defensive secretion 6483**Pyridoxine** (see 3,4-Pyridinedimethanol, 5-hydroxy-6-methyl-)

- pyrifoliella*, *Phyllonorycter***
(*Lithocolletis*)
- Pyrrilla perpusilla***
digestive enzymes in 5482
in India 5482
on sugar-cane, in India 5482
on wheat, in India 5482
- Pyrimidine, 4-methyl-2-(1-methylethyl)-**, in stored wheat, diazinon metabolite 3786
- 4-Pyrimidinecarboxylic acid, 6-[(diethoxyphosphinothioyl)oxy]-2-(1-methylethyl)-**, methyl ester, in *Musca domestica*, diazinon metabolite 1955
- 2,4(1H3H)-Pyrimidinedione**, in *Tribolium confusum* diet, effects on development of 5246
- 2,4(1H3H)-Pyrimidinedione, 5-fluoro-**, in *Tetranychus urticae*, mode of action of 5319
- 2-Pyrimidineethanol, 4-hydroxy- β , β ,6-trimethyl-**, in *Lymantria dispar*, diazinon metabolite 6507
- 5-Pyrimidinemethanol, α -(2,4-dichlorophenyl)- α -phenyl-** (see Triarimol)
- 2,4,6(1H3H5H)-Pyrimidinetrione, 5-ethyl-5-phenyl-** (see Phenobarbital)
- 4-Pyrimidinol, 5-butyl-2-(dimethylamino)-6-methyl-** (see Dimethirimol)
- 4-Pyrimidinol, 5-butyl-2-(ethylamino)-6-methyl-** (see Ethirimol)
- 4-Pyrimidinol, 6-methyl-2-(1-methylethyl)-**, in *Lymantria dispar*, diazinon metabolite 6507
- 2(1H)-Pyrimidinone, 4-amino-**, in *Tribolium confusum* diet, effects on development of 5246
- Pyrimithate** (*O*[2-(dimethylamino)-6-methyl-4-pyrimidinyl] *O*, *O*-diethyl phosphorothioate)
adopted as common name in *RAE*, p. 10
- pyrina*, *Zeuzera***
- pyrisuga*, *Psylla***
- pyrivora*, *Cydia***
(*Carpocapsa*)
- pyrivorella*, *Bucculatrix***
- Pyroderces simplex*** (see *Sathrobrotia*)
- Pyrophyllite**, against, *Sitophilus oryzae* 1553
- Pyrrhalta luteola***
control of, insecticides for 5772
in USA 5772
sexes of, characters for distinguishing 6456
- Pyrrharctia isabella***
ocelli in 4011
tracheal anastomotic node in 4010
- Pyrrhia umbra***
in USSR 1872
on soy bean, in USSR 1872
parasitised by, *Phryxe vulgaris*, in USSR 1872
- Pyrrhocoridae**
on cotton, in Angola 82
preyed on by, *Phonoctonus grandis*, in Angola 82
- Pyrrhocoris apterus***
in France 6732
juvenile hormone in, effects of steroid synthesis inhibitors on 5883
microwave avoidance in 6501
morphogenesis in, hormonal control of 590
moulting hormones in, effects of steroid synthesis inhibitors on 5883
preying on, *Cydia pomonella*, in France 6732
trichobothria in, stimulus-transmitting apparatus in 7074
wing polymorphism in 27
- 2,4-Pyrrolidinedione, 3-acetyl-5-(1-methylpropyl)-**, insecticidal activity of derivatives of 5190
- Pyrus communis*** (see Pear)
- Pyrus communis* \times *P. ussuriensis*, *Psylla pyricola*** on, resistance to 5571
- Pyrus malus*** (see Apple)
- Pysauridae**, preying on, *Thecodiplosis japonensis*, in South Korea 3488
- pyste*, *Nemorilla***
- Pythidae**, preying on, bark beetles, in USSR 6627
- Pytho depressus***
in USSR 6627
preying on, bark beetles, in USSR 6627
- Quadraspidiotus***
parasitised by
Aphytis aonidiae, in Bulgaria 7208
A. hispanicus, in Bulgaria 7208
A. mytilaspidis, in Bulgaria 7208
A. proclia, in Bulgaria 7208
- Quadraspidiotus juglansregiae***
in USA 2531
life history of 2531
natural enemies of, in USA 2531
- Quadraspidiotus macroporanus***
in Japan 785
natural enemies of, in Japan 785
on *Castanea crenata*, in Japan 785
- Quadraspidiotus perniciosus***
control of 5552
economic threshold for 2270
fumigants for 3859
insecticides for 328, 500, 1640, 5751, 7125, 7305, 7529
integrated 1421, 7537, 7544
 γ -irradiation for 5953
female sterility in 7125
fungi in, and biological control using, in USSR 5552
in stored apples, in British Columbia 500
in Bulgaria 7305, 7529
in Canada 500, 3859
in Chile 7544

***Quadraspidiotus perniciosus* contd.**

- in India 328
- in Italy 6375
- in Japan 1894, 5101
- in New Zealand 1421, 2270
- in Portugal 4311
- in Spain 7537
- in USA 1640, 2531
- in USSR 5457, 5552, 5751, 7125
- in West Germany 6086
- life history of 2531
- mortality in 4311
- natural enemies of, in USA 2531
- on apple
 - in British Columbia 3859
 - in Himachal Pradesh 328
 - in Italy 6375
 - in New Zealand 1421, 2270
 - in Portugal 4311
 - in USSR 7125
 - in West Germany 6086
 - resistance to 5552
- on cherry, in British Columbia 3859
- on *Citrus*, in Japan 5101
- on currant, in West Germany 6086
- on fruit trees
 - in California 1640
 - in USSR 5552
- on nut trees, in California 1640
- on ornamental plants, in USSR 5552
- on plum, in California 1640
- parasitised by
 - Aphytis* spp. 5097
 - in Krasnodar 5457
 - A. proclia*, in Portugal 4311
 - Aspidiotiphagus citrinus*
 - in Japan 1894, 5101
 - in Portugal 4311
 - Prospaltella perniciosi*
 - and biological control using 4311
 - in USSR 5552
 - in West Germany 6086
 - in Italy 6375
 - in Krasnodar 5457
- preyed on by
 - Chilocorus bipustulatus*, in Krasnodar 5457
 - C. renipustulatus*, in Krasnodar 5457
- sex ratio in 7125

Quadraspidiotus tillandsiae

- in USA 3025
- on *Tillandsia usneoides*, in Georgia (USA) 3025

quadriceps*, *Blastophaga
quadratum*, *Piesma
quadratus*, *Stenocranophilus
quadricollis*, *Cathartus
quadricristatus*, *Sophrorhinus
quadridentens*, *Ceutorhynchus
quadridentata*, *Ascogaster
quadridentata*, *Hololepta
quadrifoveolata*, *Monotoma

quadrilineata*, *Cheilomenes propinqua

quadrinaculatum*, *Bembidion
quadrinotatus*, *Cechenotettix
quadripes*, *Vasates
quadripunctaria*, *Alsophila
quadripunctata*, *Silpha (see *S. schreberi*)
quadripunctatus*, *Glischrochilus
quadripunctulatus*, *Macrosteles
quadripustulata*, *Temoschoita
quadripustulatus*, *Exochomus
quadristriatus*, *Trechus
quadrutuberculatus*, *Amnemus
Quail (*Coturnix coturnix*)

- carbophenothion in, toxicity of 3919
- fenitrothion in
- cholinesterase inhibition by 5206
- residues of 5206
- toxicity of 3914
- mirex in, residues of 1041

Quarantine

- against, *Leptinotarsa decemlineata* 6784, 7380

role in crop protection of 6933

quasianomalipes*, *Drosophila
quattuordecimpunctata*, *Podontia
quattuordecimpunctata*, *Propylea
quattuordecimpustulata*, *Coccinula
Quebec

- apple in, pest control on 7543
- Archips cerasivoranus* in, natural enemies of 956
- Carabidae in 1295
- in apple orchards 326
- Carduus nutans* in, *Rhinocyllus conicus* for biological control of 6660
- Choristoneura fumiferana* in
 - on *Abies* 495, 5682, 7435
 - on *Picea* 5682
- Coleophora serratella* in
 - natural enemies of 3748
 - on *Betula* 3748
- Conotrachelus nenuphar* in, on apple 7312
- crop pests in 5473, 5475
- Cydia prunivora* in, on apple 4309
- Euxoa messoria* in, on tobacco 6798
- Fenusa pusilla* in, on *Betula* 4791
- forest pests in 5673, 5680–5681
- Formica lugubris* in, introduction of 4764
- fruit pests in 5533–5534
- Hypera postica* in
 - natural enemies of 6079
 - on lucerne 6079–6080
- Hyphantria cunea* in 7493
- Lambdina fiscellaria* in, on *Abies* 5656
- Listronotus oregonensis* in, on carrot 877
- Lygus lineolaris* in
 - natural enemies of 7334
 - on apple 4314
 - on celery 7334, 7527
 - on potato 7527

Quebec contd.

- Lymantria dispar* in, legislation on 5407
Malacosoma americanum in 4481
M. disstria in 4481
 market-garden pests in 5474, 5476
Neodiprion swainei in 416
 natural enemies of 5452
 on *Pinus* 5682
Ostrinia nubilalis in, on maize 3591
Oulema melanopus in, legislation on 5407
Panonychus ulmi in, on apple 2882, 4313
Phenacaspis pinifoliae in
 natural enemies of 1513
 on *Pinus* 1513
Popillia japonica in, legislation on 5407
Ptycholoma peritana in, on strawberry 2848
Rhagoletis pomonella in
 legislation on 5407
 on apple 1420
Systema frontalis in, on strawberry 2851
Thymelicus lineola in, on grasses 4875

Queidiini

- in Canada 7019
 in USA 7019
 taxonomy of 7019

Queensland

- aphids in, on lettuce 6759
 applied entomology in 4738
Austracris guttulosa in, on sugar-cane 4822
Ceroplastes ceriferus in, natural enemies of 5917
C. rubens in, on *Citrus* 333
Chaetanaphothrips signipennis in, on banana 2902
Contarinia sorghicola in, on sorghum 4868
Cryptophlebia ombrodelta in
 on *Macadamia ternifolia* 2861
 on *Macadamia tetraphylla* 2861
Dactylopius austrinus in, on *Opuntia aurantiaca* 555
D. ceylonicus in 555
D. confusus in, on *Opuntia stricta* 555
D. opuntiae in, on *Opuntia streptacantha* 555
D. tomentosus in 555
Dacus spp. in 4595
D. frauenfeldi in 7145
Dermolepida albobirtum in, natural enemies of 1596
Duboisia in, pests of 225
Emex australis in, *Apion antiquum* for biological control of 4241
Gascardia destructor in
 natural enemies of 5917
 on *Baccharis halimifolia* 2895
 on *Citrus* 2895

Queensland contd.

- Gastrimargus musicus* in, on sugar-cane 4822
Hyalarcta huebneri in, on *Pinus* 6206
Incisitermes barretti in, on *Acacia* 5839
Inopus flavus in 5483
I. rubriceps in 5483
 in natural enemies of 254
Lantana camara in
 Ocotoma scabripennis for biological control of 2746
 Teleonemia prolixa for biological control of 4240
 Uroplata girardi for biological control of 2746
Lasioderma serricorne in, in stored tobacco 445
 Lepidoptera in, on lettuce 6759
Locusta migratoria in, on sugar-cane 4822
Macadamia spp. in, pests of 2862
Mastotermes darwiniensis in, in fence posts 2737
Megenum insulare in, on cucurbits 2671
Nacoleia octasema in, on banana 2906
Neophyllotocus undarus in, on watermelon 5838
 Noctuidae in 5911
Oncopera brachyphylla in, in pastures 301, 2832
O. mitocera in, in pastures 301, 2832
Opuntia spp. in, *Cactoblastis cactorum* for biological control of 5112
 oysters in, insecticide residues in 5198
Pectinophora endema in 3869
P. gossypiella in 3869
P. scutigerana in 3869
Penthaleus major in, on oats 2784
 pest control in 3831
Phaenacantha australiae in, on sugar-cane 2671
 potato in, pests of 2966
Schizaphis spp. in, on grasses 298
 sugar-cane in, pests of 4250
Teratomiris probosciodocoris in, on *Araucaria cunninghamii* 6031
 termites in
 in farm buildings 216
 in power-transmission poles 3106
Thrips tabaci in, on onion 381
 tobacco in
 insect pests of 6193-6194
 pest control on 6193, 6797
 Ycaploca evansi in 3993
quercinaria, *Ennomos querciphaga*, *Betacallis Quercus*
 Agilus biguttatus on
 in France 7427
 tumors caused by 7427

Quercus contd.**Agrilus contd.***A. bilineatus* on

damage caused by 7439

in Connecticut 3744, 7439

Apoda avellana on, in Norway 5373*Archips crataeganus* on, in

Czechoslovakia 7436

A. semiferanus on 4630

in Pennsylvania 3059, 4735

Asterodiaspis variolosa on, in Caucasus 6808*Bacillus thuringiensis* in, persistence of 6904*Caliroa annulipes* on, in France 1091*C. cinxia* on, in France 1091*C. varipes* on, in France 1091

Callaphididae on, in Switzerland 3373

Crossotarsus brevidens on, in Thailand 7029*Curculio glandium* on, in Yugoslavia 5121

Cynipidae on

in Guatemala 1076

in Mexico 1076

Cynips quercusfolii on

galls of 424

in Netherlands 424

Ennomus quercinaria on, in Norway 117*E. subsignarius* on, development of 5307*Eulecanium* spp. on, in Pakistan 3541*Euproctis similis* on, in Yugoslavia 5739*Ips chalcographus* on, in USSR 7432*Kermes vermilio* on, in France 2722*Lachnus* spp. on, in Iraq 2428*Lymantria dispar* on

damage caused by 5759

in Azerbaijan 6204

in Connecticut 3400, 6820

in Czechoslovakia 7436

in Massachusetts 4214

in Moldavia 506

in Pennsylvania 6222

in Romania 2141, 2206

in Spain 2142

in USSR 5759

in West Germany 3070

Operophtera brumata on

in Czechoslovakia 6904, 7436

in USSR 5454

Platypus beaveri on, in Thailand 7029*Psoricoptera gibbosella* on

damage caused by 6824

in Yugoslavia 6824

Synergus pallicornis on, in Netherlands 424*Thelaxes suberis* on, in Iraq 2428*Tortrix viridana* on

in Czechoslovakia 6904

in Russian Republic 6832

in USSR 5454

Quercus contd.*Trypodendron domesticum* on, in Europe 1143*Tuberculatus* spp. on 1728*Tuberculoidea annulatus* on, in Chile 3356*Xenolechia* spp. on

damage caused by 6824

in Yugoslavia 6824

Ypsolopha ustaella on

damage caused by 6824

in Yugoslavia 6824

Quercus acutissima*, *Lymantria dispar* on 2193**Quercus agrifolia****Bacillus thuringiensis* on

persistence of 2210

persistence of spores of 470

Lepidoptera on, in California 2135

Quercus alba*Corythucha arcuata* on, in Pennsylvania 6614

Scolytidae on, in Missouri 5672

Quercus alnifolia*, *Phyllonorycter troodi* on, in Cyprus 5232**Quercus borealis* (see *Q. rubra*)*****Quercus cerris****Callirhytis glandium* on, in

Czechoslovakia 1530

Colotois pennaria on, in Austria 439*Lymantria dispar* on, in Yugoslavia 2251*Quercusia quercus* on, in England 3035***quercus*, *Cervaphis******Quercus coccinea*, *Euproctis chrysorrhoea* on, development of 924, 3067*****Quercus coccinea* (timber)**

pests of

damage caused by 5065

in USA 5065

Quercus dilatata*, *Kermes* spp. on, in Pakistan 2328**quercus*, *Eriococcus******Quercus falcata***

fatty acids in, seasonal changes in 5307

sterols in, seasonal changes in 5307

Quercus ilex*Coraebus florentinus* on

damage caused by 4409

in Italy 4409

Lymantria dispar on 3814*Orgyia trigotephra* on, in Spain 3774***Quercus lyrata*, pests of, in Mississippi 7410*****Quercus nuttallii*, pests of, in Mississippi 7410*****Quercus palustris****Euproctis chrysorrhoea* on

development of 3067

not able to develop 924

***Quercus pedunculata* (see *Q. robur*)**

Quercus petraea

Euproctis chrysorrhoea on, development of 924, 3067

Heteroptera on, in Poland 4396

quercus, Quercusia***Quercus robur***

Cerambyx cerdo on, in Poland 5662

Clytus tropicus on, in Poland 5662

Colotois pennaria on, in Austria 439

extracts of, *Lymantria dispar* feeding responses to 4112

Heteroptera on, in Poland 4396

Leiopus nebulosus on, in Poland 6813

Lymantria dispar on, in Poland 3814, 3816

in Yugoslavia 5361

Mesosa nebulosa on

damage caused by 6813

in Poland 6813

Plagionotus arcuatus on, in Poland 5662

P. detritus on, in Poland 5662

Quercusia quercus on, in England 3035

Rhagium sycophanta on, in Poland 5662

Saperda scalaris on, in Poland 6813

Trypodendron signatum on, in Poland 6813

Quercus rubra

Anisota senatoria on, in Connecticut 4478

Ennomos subsignarius on 4094

Euproctis chrysorrhoea on, development of 924, 3067

Lymantria dispar on 3816

effects of *Bacillus thuringiensis* on feeding by 423

Symmerista canicosta on, in Connecticut 4478

***Quercus rubra* (timber)**

pests of

damage caused by 5065

in USA 5065

Quercus sessilis* (see *Q. petraea*)**Quercus suber***

Lepidoptera on, in Italy 919, 3754

Lymantria dispar on 3815

in Italy 1632

in Sardinia 496

Plagiotrochus suberi on, in Argentina 3751

***Quercus* (timber)**

Bostrichus capucinus in, in Finland 3104

Lycus linearis in, in Finland 3104

Quercus velutina

Corthylus columbianus on

damage caused by 1524

in North Carolina 1524

Scolytidae on, in Missouri 5672

***Quercus velutina* (timber)**

pests of

damage caused by 5065

in USA 5065

quercusfolii, Cynips***Quercusia quercus***

biology of 3035

fungi in, in England 3035

in UK 3035

on *Quercus cerris*, in England 3035

on *Quercus robur*, in England 3035

parasitised by

Trichogramma spp., in England 3035

Zenillia nemea, in England 3035

Quillaja, saponins in bark of 1713

Quinalphos (*O,O*-diethyl *O*-2-quinoxaliny phosphorothioate)

against

Agriotes spp., on potato 2964

Amrasca biguttula, on cotton 1484

Aphis gossypii, on cotton 1484

bollworms, on cotton 7391

Cicadellidae, on cotton 7391

Cnaphalocrocis medinalis 3291

Coccus viridis, on coffee 6799–6800

Costelytra zealandica 3192

Crocidolomia binotalis, on cabbage 730

Diacrisia obliqua 863

Earias spp., on cotton 1484

Eupoecilia ambiguella, on grapevine 1999

Eupterote canaraica, on coffee 3019–3020

Heliothis armigera

on maize 824

on tomato 6176

Hylemya antiqua, on onion 2652

Inopus rubriceps 3195

Lachnosterna nilgiri, on coffee 2105

Lepidoptera, on sugar-cane 816

Leptinotarsa decemlineata 3205

on potato 4969

Leucinodes orbonalis, on eggplant 5634

Longitarsus nigripennis, on *Piper nigrum* 1928

Mamestra brassicae, on sugar-beet 4960

Nymphula depunctalis, on rice 7253

Ophiomyia phaseoli, on *Phaseolus vulgaris* 729

Orseolia oryzae, on rice 1950

Pectinophora gossypiella, on cotton 1484

pests of rice 713

Plutella xylostella, on cabbage 730

Scirpophaga incertulas, on rice 1950

Spodoptera litura, on tobacco 2099

Tryporyza innotata, on rice 1950

in *Apanteles plutellae*, toxicity of 3651

in apple, residues of 1042

in cauliflower, residues of 1042

in *Lagenaria vulgaris*, toxicity of 1446

in *Momordica charantia*, toxicity of 1446

in tomato, residues of 1042

Quinalphos *contd.*

with Bordeaux mixture, against,
Eupoecilia ambiguella, on grapevine
 1999

with zineb, against, *Eupoecilia ambiguella*,
 on grapevine 1999

Quince (*Cydonia oblonga*)

Cenopalpus lanceolatisetae on, in Egypt
 3620

C. pulcher on, in Egypt 3442, 3620

Cydia molesta on, in Bulgaria 2022

Eulecanium tiliae on, in Armenia 7307

Hedya nubiferana on, in Hungary 4211

Lepidoptera on, in Hungary 4307

Phyllonorycter blancardella on, in Israel
 4901

Recurvaria leucatella on, in Hungary
 4211

R. nanella on, in Hungary 4211

Spilonota ocellana on, in Hungary 4211

Tetranychus viennensis on
 damage caused by 6547
 in Iran 6547

4-Quinolincarboxylic acid, 3-methyl-, butyl ester (see Methoquin-butyl)**Quinomethionate** (6-methyl-1,3-dithiol[4,5-*b*]quinoxalin-2-one)

against

Bryobia rubrioculus 320
 mites 490

Oligonychus indicus, on sorghum 2819

Panonychus ulmi 320, 497

Tetranychus turkestani 7666

T. urticae 5748, 5811, 7520
 on rose 6651

Trialeurodes vaporariorum 490, 5811
 on tomato 6919

in apple orchards, effects on mites of
 2011, 2013

in cucumber, residues of 5805

in *Encarsia formosa*, toxicity of 6919

in *Phygadeuon trichops*, effects on
 fecundity of 5209

in *Phytoseiulus persimilis*, toxicity of
 7666, 7673

in *Trialeurodes vaporariorum*, effects on
 parasites of 5811

in *Trichogramma cacoeciae*, toxicity of
 3910

with zineb, against, *Tetranychus*
turkestani 7666

Quinones, as repellents for *Reticulitermes lucifugus* 7683**quinquecupis**, *Solenopsis***quinquelineatus**, *Eristalinus*, (*Eristalis*)**quinquepunctata**, *Coccinella***quinqesignata**, *Hippodamia***quinquespinosus**, *Megalotomus***quyumi**, *Zyginidia***R-16661** (see Phosphoramidothioic acid, (3-ethyl-5-methyl-2-oxazolidinylidene)-, *O,S*-dimethyl ester)**R-20458** (see Oxirane, 3-[5-(4-ethylphenoxy)-3-methyl-3-pentenyl]-2,2-dimethyl-, (*E*)-)**Rabbit**

γ -BHC in, residues of, effects of meat
 processing on 5779

bisthiolcarbamate JH mimics in, not toxic
 6940

chlordecone in, effects on lactate
 dehydrogenase of 3300

Choristoneura fumiferana nuclear
 polyhedrosis virus in, not pathogenic
 2241

epoxide hydratase in 6983

formothion in, effects of reproduction of
 3305

insect attractants in, toxicity of 5197
 insect growth regulators in, degradation of
 595

mirex in, effects on lactate dehydrogenase
 of 3300

paraoxon in, metabolism of 3330

parathion in, metabolism of 3330

photodieldrin in, metabolism of 4534

Rachiplusia nu

control of, insecticides for 690

in Chile 690

on lucerne, in Chile 690

on *Trifolium pratense*, in Chile 690

Rachiplusia ou, nuclear polyhedrosis virus
 in, specificity of 7489**Radar**

for distinguishing insect species
 1177–1178

for observing insect flight 6596

radiata, *Phycodes***Radiation**, insect control using 4498**Radiation, gamma**

against

Cacocimorpha pronubana, on
 carnation 5125

Callosobruchus maculatus 4085

Ceratitis capitata 6740

Corcyra cephalonica, in stored rice
 1952

Dermeestes maculatus, in dried fish
 6234

Ephestia cautella

in stored rice 1952

in wheat flour 3792

Epichoristodes acerbella, on carnation
 5125

Oryzaephilus surinamensis, in wheat
 flour 3792

pests of stored fruit 5953

Plodia interpunctella, in wheat flour
 3792

Rhyzopertha dominica, in stored rice
 1952

Sitophagus hololeptoides 4084

Sitophilus granarius, in stored rice
 1952

Radiation, gamma contd.

against contd.

- Sitotroga cerealella*, in stored rice 1952
Tribolium castaneum 6243
 in stored rice 1952
 in wheat flour 3792
T. confusum 6243
 in wheat flour 3792
T. destructor 5316
 effects of, on
Acanthoscelides obtectus 3234, 5315
Aedes aegypti 3237
Aegeria pictipes 2465
Anastrepha suspensa 3218, 4684
Anthonomus grandis 2406
Bacillus thuringiensis toxin crystals 2197
Bracon hebetor 3232
Callosobruchus analis 7099
C. maculatus 75, 3236, 4083, 6459
Ceratitis capitata 130, 492, 611, 673, 1647, 1787, 3216, 3230, 3872, 4082
 chloral hydrate 1063
Corcyra cephalonica 2486
Cryphalus fulvus 1784
Cydia pomonella 613, 1197, 1788, 2877, 2880, 3431, 3434, 4081, 5761, 7303
Dacus cucumis 1154, 1170, 3428
D. cucurbitae 3432-3433, 5893
D. dorsalis 1790-1791, 7100
D. oleae 3872
D. zonatus 1785
 DDT 1063
Dermestes frischii 1786
D. maculatus 2463
Ephestia cautella 1153, 3249, 7097
Galleria mellonella 3255
Gonocerus acuteangulatus 3246
Heliothis virescens 3248, 5314
H. zea 4839
Hypera postica 2459
Latheticus oryzae 2458
Manduca sexta 6192
Pectinophora gossypiella 614, 4367
Plodia interpunctella 77, 3430, 3435
Rhagoletis cerasi 3225-3226
R. pomonella 5880
Sitophilus granarius 2464
S. oryzae 3236
S. zeamais 3236
Spodoptera exigua 3237
S. littoralis 2462, 3429
S. litura 76, 615, 1152
 stored rice 1952
Tenebrio molitor 1789
Tribolium confusum 7098
Trichoplusia ni 612
Trogoderma granarium 5318
Zabrotes subfasciatus 3236
 prediction of sterilising doses of 3427

Radiation, infrared

against

- pests of stored products 6257
Rhyzopertha dominica, in stored wheat 939, 6265
Sitophilus oryzae, in stored wheat 939, 6265
Sitotroga cerealella, in stored wheat 6265

Radiation, ionising

against

- pests of stored products 6259
Plodia interpunctella, in almond pieces 6872

Radiation, microwave

against

- Ephestia elutella*, in tobacco 5703
Lasioderma serricorne, in tobacco 5703
Rhyzopertha dominica, in stored wheat 6265
Sitophilus oryzae, in stored wheat 6265
Sitotroga cerealella, in stored wheat 6265
Tribolium confusum
 in wheat flour 6860
 in wheat grain 6860

effects of, on

- Caryedon serratus* 6501
Pyrrhocoris apterus 6501

Radiation, radiofrequency

against

- pests of stored grain 7471
 pests of stored products 6257
 effects of, on, *Tenebrio molitor* 2484

Radiation, ultraviolet

against, pests of stored products 6257

effects of, on

- Bacillus thuringiensis* 2197, 2214
Ephestia kuehniella 1305
Galleria mellonella nuclear polyhedrosis virus 4477
Heliothis assulta 6499
Mythimna separata 6499
Plodia interpunctella 5317
Plusia californica nuclear polyhedrosis virus 1587
Trichoplusia ni 575
 protection of *Bacillus thuringiensis* spores from 486

radicicola, Tetraneura**radicis, Hylobius****radicola, Dysaphis****radicum, Hylemya****Radioimmunoassay, for pesticide detection** 7151**Radioprotectives, for *Pleistophora schubergi*** 4478**Radish (*Raphanus sativus*)**

- Aphidoletes aphidimyza* on, oviposition by 4110

Radish contd.

- Athalia lugens* on, in Maharashtra 356
Autographa gamma on, in Egypt 4182
Diacrisia obliqua on, in Uttar Pradesh 2045
Hylemya spp. on, in Poland 355
H. brassicae on, in England 3947
Lachnosterna consanguinea on, in Rajasthan 999
Loxostege spp. on, in North America 7032
Myzus persicae on, development of 5996
 pest control on, in UK 3272
 pests of, in North Carolina 2915
Phyllotreta spp. on, in Poland 355
Pieris rapae on, in New Zealand 3649
Plutella xylostella on, in Pakistan 2038
Spodoptera litura on 2045
Thrips kodaikanalensis on, in Himachal Pradesh 4715

Radish extracts, *Phyllotreta nemorum*
feeding responses to 3459**radjabii, *Spathius*****Rafex (see DNOC)****Ragi (see *Eleusine coracana*)****Ragweed (see *Ambrosia chamissonis*)****Ragwort (see *Senecio jacobaea*)****Rail freight wagons, Coleoptera in, in Canada 6293****Rainfall, effects of, on, *Nephantis serinopa* 149****Raisins and sultanias**

- dichlorvos in, residues of 6871
Ephestia calidella in, development of 5704
E. cautella in
 development of 5704
 in Turkey 6871
E. elutella in, in Turkey 6871
E. figulilella in, development of 5704
Oryzaephilus mercator in, development of 4100, 6304
O. surinamensis in, development of 6304
Pachyscelis zhenzhuristi in, imported into Czechoslovakia 5714
 pest control in, fumigants for 6248
Plodia interpunctella in, in Turkey 6871

rajamohani, *Oboloides***ramidulus, *Campoplex*****ramidulus, *Enicospilus*****ramulosa, *Pardosa******Rana tigrina*, preyed on by, *Belostoma indicum* 6643*****Rangia cuneata***

- DDE in, residues of 5199
 dieldrin in, residues of 5199

rantalais, *Loxostege***raoi, *Tetraphleps******Raoiella indica***

- in India 7286
 on *Areca catechu*, in Karnataka 7286
 on coconut, in Karnataka 7286

***Raoiella indica* contd.**

- preying on, *Stethorus keralicus*, in Karnataka 7286
Raoiella macfarlanei
 descriptions of 3634
 in India 3634
 in Libya 3634
 on olive, in Libya 3634
 on *Syzygium jambas*, in Karnataka 3634
rapae, Ceutorhynchus
rapae, Diaeretiella
rapae, Pieris
rapae, Trybliographa
Rape (*Brassica napus* var. *oleifera*)
Agrotis exclamationis on, in East Germany 375
A. segetum on, in East Germany 375
 arthropod pests of
 in East Germany 7160
 in UK 545
Athalia lugens on, in Uttar Pradesh 353
Bagrada hilaris on, in Uttar Pradesh 353
Brevicoryne brassicae on
 in England 7601
 uptake of radiocarbon by 5927
 carbaryl in, systemic activity of 1661
Ceutorhynchus spp. on
 in East Germany 4523
 in England 7601
 in Poland 6648, 6763
C. assimilis on
 damage caused by 1481
 in East Germany 352, 2040, 5594
 in Poland 1479-1481, 5120
 in UK 7387
C. quadridens on, in Poland 5120
C. sulcicollis on
 assessing infestations of 6764
 in Sweden 6764
Dasineura brassicae on
 damage caused by 1481
 in East Germany 2040, 4523, 5594
 in England 7601
 in Poland 1480-1481, 6648
 in Sweden, damage caused by 5596
 in UK 7387
Entomoscelis americana on, in Mantioba 5077
Eurydema oleraceum on 2285
 honeybees on, in England 7602
Lipaphis erysimi on, in Uttar Pradesh 353
Mamestra configurata on
 in Alberta 2914
 in Canada 2916
Meligethes spp. on, in UK 7387
M. aeneus on
 in East Germany 4523
 in England 7601
 in Poland 1663, 3311, 5120, 6648
 mevinphos in, persistence of 4567

Rape contd.

- Myzus persicae* on
 - in France 5460
 - uptake of radiocarbon by 5927
- pest control on
 - in East Germany 1050
 - in England 7602
 - in UK 3272
- pests of
 - in Denmark 5400
 - in Poland 1318
 - in UK 7630
 - in West Germany 6993
- Phyllotreta striolata* on, in Canada 7155
- Pieris rapae* on, in New Zealand 3649
- Psylliodes chrysocephalus* on
 - in East Germany 4523
 - in England 7601
 - in Poland 6648
 - in UK 7387
- turnip mosaic virus in, aphid transmission of 5725

Rape fields

- Carabidae in, in West Germany 6007
- insecticides in, non-target effects of 3311

Rape, Indian (see *Brassica campestris* var. *sarson*)**Rape meal, *Tenebrio molitor* in,**
development of 2422**Rape (stored seeds)**

- Cryptolestes ferrugineus* in, unable to develop 6323
- mites in, in France 1554
- Oryzaephilus mercator* in, development of 6323
- Tribolium castaneum* in, development of 6323
- Tyrophagus putrescentiae* in, in France 1554

Rapeseed oil

- against, *Tetranychus urticae* 1004
- methomyl in, determination of 123

Raphanus

- Colaphellus hoeftii* on 4244
- Gastrophysa atrocyanea* on 2753
- Raphanus raphanistrum*, *Amblyseius swirskii* on, feeding on pollen 7217

Raphanus sativus (see Radish)**Raphidia**

- biology of 2468
- distribution of 2468
- hyperparasites of, in Europe 2468
- parasites of, in Europe 2468
- preying on, aphids, in Italy 1407

Raphidia ophiopsis

- in USSR 6627
- preying on, bark beetles, in USSR 6627

Raphidiidae, preying on, bark beetles, in USSR 6627**Raphidioptera**, in Poland 2628***Raphimetopus ablutellus***

- food-plants of 233

***Raphimetopus ablutellus* contd.**

- in India 233
- on sugar-cane, in India 233

Raptiformica sanguinea (see *Formica*)
rara*, *Trialeurodes**Raspberry**

- Acleris latifasciana* on, in Yugoslavia 4591
- Amphorophora agathonica* on, resistance to 1393
- A. rubi* on
 - in UK 6092
 - resistance to 6092
- Anthonomus rubi* on
 - damage caused by 1394
 - in Poland 1394
- Byturus tomentosus* on, in UK 1996
- B. urbanus* on
 - damage caused by 1394
 - in Norway 5545
 - in Poland 1394
- fenitrothion in, residues of 1996
- insect pests of, in Quebec 5533-5534
- Macrosiphum euphorbiae* on, in UK 6092
- Myzus ornatus* on
 - in Scotland 5601
 - in UK 6092
- raspberry leaf mottle virus in, in UK 6092
- raspberry leaf spot virus in, in UK 6092
- raspberry 52V virus in, in UK 6092
- Raspberry leaf mottle virus**
 - control of 6092
 - in, raspberry, in UK 6092
- Raspberry leaf spot virus**
 - control of 6092
 - in, raspberry, in UK 6092
- Raspberry 52V virus**
 - control of 6092
 - in, raspberry, in UK 6092
- Rastrococcus***
 - on mango, in India 2337
 - parasitised by, *Mirufens longifuniculata*, in India 2337
- Rastrococcus spinosus***
 - in Pakistan 1035
 - on mango, in Pakistan 1035

Rat

- Bay-NTN 9306 in, metabolism of 6406
- BHC in, determination of 6414
- γ -BHC in, dehydrogenation of 5809
- bioresmethrin in, metabolism of 1695
- bisthiolcarbamate JH mimics in, not toxic 6940
- butocarboxim in, toxicity of 2659
- carbaryl in, toxicity of 7087
- carbofuran in, toxicity of 2664
- chlordane in, metabolism of 3907
- chlordimeform in, metabolism of 5801, 6408

Rat contd.

cholinesterase aging in, effects of paraoxon on 1056

Choristoneura fumiferana nuclear polyhedrosis virus in, not pathogenic 2241

chrysanthemic acid in, toxicity of 534

cismethrin in, metabolism of 1695

DDE in, metabolism of 3306

o,p'-DDT in, metabolism of 6400

diazinon in, metabolism of 5202

epoxide hydratase in 6983

ethiofencarb in, metabolism of 6973

etrimfos in, toxicity of 7608

fenitrothion in, effects of 3911–3912

insect attractants in, toxicity of 5197

insect growth regulators in, degradation of 595

Ipfos in, toxicity of 7652

methoxychlor in, effects on reproduction of 530

mirex in, residues of 1041

organic phosphates in, toxicity of 2277

paraoxon in, metabolism of 3330

parathion in

effects on cardiac dopamine and noradrenaline of 5804

metabolism of 3330

permethrin in, metabolism of 6948

phenols in, toxicity of 3306

phosfolan in, enzyme inhibition by 3314

phosphorothioates in, inhibition of hepatic enzymes by 5158

photodieldrin in, metabolism of 3298

phoxim in, toxicity of 3098

Polfos in, toxicity of 7652

SAN 155 I in, toxicity of 7609

toxaphene in, metabolism of 531, 6949

trichlorophen in, toxicity of 2297

Rattus exulans, mirex in, residues of 7665
***ratzeburgi*, Palorus**

RE-9006 (see Methamidophos)

RE-11775 (see Carbamic acid, methyl(phenylthio)-, 3-(1-methylpropyl)phenyl ester)

RE-12420 (see Acephate)

Rearing techniques 139

Achaea janata 5926

Achroia grisella 251

Acrolepiopsis assectella 1830

Acyrtosiphon pisum 4163, 4178

Aegeria pictipes 1845

Agrotis segetum 6572

Amblyseius herbarius 5928

A. largoensis 2714

A. longispinosus 2714

A. paraki 2714

Anacanthotermes macrocephalus 214

Anadevidia peponis 1832

Anastrepha suspensa 4175

Anthonomus grandis 2573

Anysidae 4165

Rearing techniques contd.

Apanteles chilonis 4788

A. diatraeae 4788

A. flavipes 4788

A. plutellae 667

Aphidiidae 5925

Aphidius matricariae 5465

aphids 5924

Aphytis chilensis 5102

A. melinus 3639

arboreal ants 4722

Arctiidae 1230

Biosteres longicaudatus 5998

Bracon gelechiiae 1902

Ceratitis capitata 673, 3231, 5131–5132, 6568

Chelonus heliopaie 4785

Chilo suppressalis 134, 721

Chrysopa carnea 3507, 4731

Chrysopidae 971, 5459, 5925

Coccinella septempunctata 5925

Coccinellidae 6017

Coccus hesperidum parasites 2565

Conomorium patulum 6221

Copidosoma koehleri 376

Coptotermes formosanus 2426

Cryptophlebia leucotreta 133

Cydia pomonella 3253–3254

Dacus oleae 666, 3229, 5136

D. zonatus 1785

Diabrotica longicornis 4732

D. undecimpunctata 4732

D. virgifera 4732

Diaeretiella rapae 664, 5996

Diatraea saccharalis 237, 6577, 6666

Diprion pini 6567

Dirhinus giffardii 5998

Elasmopalpus lignosellus 2562

Encarsia formosa 5465, 6909

Ennomos subsignarius 3509

Entomophthora aphidis 6884

E. thaxteriana 4480

Ephestia kuehniella 2571

Ephialtes roborator 663

Epichoristodes acerbellae in, on carnation 6810

Eupoecilia ambiguella 2559

Eurygaster austriaca 4176

E. maura 4176

Galleria mellonella 251, 3508

Graellsia isabellae 6583

Graphosoma lineatum 4813

grasshoppers 5416

Heliothis armigera 3495

H. virescens 665

H. zea 1227, 3408, 3492–3494, 4727, 6577

Helopeltis clavifer 1495

Hirsutella thompsonii 6358

Hydraecia micacea 1238

Hylemya brassicae 4518

Hylobius pales 4730

Rearing techniques *contd.*

Hymenoptera 1834
Hyperodes bonariensis 141
Hyphantria cunea 5389
Itopectis maculatur 1243
Lambdina fiscellaria 2569
Lepidoptera 3504
Leptomastix dactylopii 6905
Lixophaga diatraeae 251, 6666
Lobesia botrana 5390, 5397
Lygus hesperus 6566
Macrosteles fascifrons 1835
Malacosoma disstria 6581
Mamestra brassicae 6573, 6580, 7068
M. configurata 2914
M. illobis 7068
Manduca sexta 6579
Megoura viciae 5925
Metaphycus helvolus 6129
Metarhizium anisopliae 6669–6670
Metasyrphus corollae 1121, 7207
Microtermes spp. 214
Myzus persicae 1836
Neoplectana carpocapsae 4487
Nephotettix virescens 721
Nilaparvata lugens 721, 4855
Noctuidae 1230
Oncopeltus fasciatus 660
Oryctes rhinoceros 5929
Ostrinia nubilalis 5393, 5932
Pachytiplosis oryzae 721
Pectinophora gossypiella 6579
Pediobius foveolatus 3673
Phaenodonia inclusa 722
Phanerotoma flavitesticata 1231
Phryxe caudata 1235–1236
Phygadeuon trichops 5209
Phyllotreta striolata 7155
Phytoseiulus spp. 6619
P. persimilis 1220, 1917, 5465, 6909
Pieris rapae 1240
Plagiospherysa trinitatis 1304
Plutella xylostella 667, 7068
Praon spp. 664
Prionoxystus robiniae 3500
Prionus imbricornis 2425
Prosapia bicincta 2572
Psylla pyricola 3452
Reticulitermes flavipes 2426
Rhynchophorus ferrugineus 1989, 6088
Riptortus linearis 722
Rogas gossypii 2707
root aphids 4177
Salticidae 4864
Scirpophaga incertulas 1968
Scolytus multistriatus 4734
Semiadalia undecimnotata 2570, 5391
Sesamia nonagrioides 1234
Sitotroga cerealella 6637, 7522
Spalangia spp. 5998
Spodoptera exempta 4173
S. exigua 3503, 5923

Rearing techniques *contd.*

Spodoptera *contd.*
S. littoralis 138
S. mauritia 721
Staphylinidae 1219
Sufetula diminutalis 1990
Synanthedon tipuliformis 6741
Syrphidae 1121, 5925
Tipula oleracea 5396
Trichogramma spp. 251, 6621
T. pretiosum 135, 1223
Trichogrammatoidea lutea 1237
Trichoplusia ni 4170, 4175
Trissolcus grandis 4810
T. simoni 4810
Tryporyza incertulas 721
Tythus mundulus 3575
Xylotrupes gideon 4300
books on 5395

rechencui, Sericoides**Recilia dorsalis**

control of, insecticides for 1356, 2247
in Malaysia 1356, 3973
in Taiwan 2247
on rice
damage caused by 1356
in Malaysia 1356
in Taiwan 2247
resistance to 5514
traps for 3973

reciprocara, Boarmia selenaria**reclinator, Leiophron****reclinata, Carcelia****rectifasciata, Metopta****recurva, Colaspis****recurva, Phoracantha****recurvalis, Hymenia****Recurvaria leucateila**

in Hungary 2012, 4211, 4307
on apple, in Hungary 2012, 4211, 4307
on medlar, in Hungary 4307
on pear, in Hungary 2012, 4211, 4307
on quince, in Hungary 4211, 4307
parasites of, in Hungary 4211
parasitised by
Apanteles longicauda, in Hungary 2012
Ascogaster annularis, in Hungary 2012

Recurvaria nanella

biology of 6099
control of, insecticides for 6099
in Hungary 2012, 4211, 4307
in USSR 6099
on apple, in Hungary 4211, 4307
on fruit trees, in Crimea 6099
on medlar, in Hungary 4307
on pear, in Hungary 2012, 4307
on quince, in Hungary 4211, 4307
parasites of, in Hungary 4211
redikorzevi, Bryobia (see *B. rubrioculus*)

- Reductase, cytochrome c (reduced nicotinamide adenine dinucleotide phosphate), in rat, not affected by fenitrothion** 3911
- Reductase, nitric oxide, in *Azotobacter vinelandii*, effects of insecticides on** 2311
- Reduviidae**
 descriptions of 1734
 in Netherlands Antilles 5378
 in cacao plantations, in Ghana 1734
 in rice-fields, in Peru 710
 keys to 1734
 plant feeding in 1915
 preying on
 Heliothis armigera, in Thailand 3176
 Nezara viridula, in Mexico 3449
 rice pests, in Sierra Leone 833
 Umbonia crassicornis 6534
- Reduviolus roseipennis* (see *Nabis*)**
- Reesa vespulae***
 biology of 5717
 descriptions of 5717
 in Denmark 6852
 in East Germany 5717
 in Finland 6852
 in Norway 6852
 in Sweden 6852
 in dwellings, in Scandinavia 6852
 in museums, in Fennoscandia 6852
 in stored *Capsicum* seeds, in East Germany 5717
 in stored tomato seeds, in East Germany 5717
 taxonomy of, characters distinguishing *Trogoderma* and 5717
- regina*, *Phormia***
- rehi*, *Brevennia*, (*Heterococcus*)**
- reicharti*, *Apanteles***
- Reldan* (see *Chlorpyrifos-methyl*)**
- relictus*, *Leiophron***
- religiosa*, *Mantis***
- religiosus*, *Xylotrips***
- remotata*, *Scopula***
- remus*, *Telenomus***
- renardii*, *Zelus***
- reniculella*, *Dioryctria***
- renipustulatus*, *Chilocorus***
- repanda*, *Coccinella***
- Repellents**
 insect control using 2258
 substances tested as plant materials 6033
- Reports (1970-74), Taiwan Agricultural Research Institute** 3974
- Reports (1971-74), Institute of Plant Protection, Israel** 3975
- Reports (1971-73), Pest Infestation Control Laboratory** 6302
- reppensis*, *Hyperaspis***
- Reserpine* (methyl (3 β ,16 β ,17 α ,18 β ,20 α)-11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]yohimban-16-carboxylate)**
 in *Dacus tryoni*, reducing fecundity and fertility 6519
 sterility for, *Diparopsis castanea* 4688
- Reservoirs (see Lakes, reservoir)**
- resinator*, *Apechthis***
- resinella*, *Petrova***
- Resmethrin* ([5-(phenylmethyl)-3-furanyl]methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate)**
 against
 Choristoneura occidentalis 6821
 Chrysomela scripta 7433
 Hylobius pales 1664
 Lymantria dispar 3750
 Musca domestica 3959
 Neodiprion tsugae 520
 pests of stored products 5798
 pests of stored wheat 6276
 pests of wool textiles 6254
 Phaedon cochleariae 3959
 Trialeurodes vaporariorum, on tomato 5633
 in forests, non-target effects of 3750
 in *Musca domestica*, toxicity of isomers of 4554
 photodecomposition of 534
 resistance to, in
 Trialeurodes vaporariorum 5794
 in England 3937
 with *Bacillus thuringiensis* against
 Choristoneura fumiferana 3292
 Hemerocampa leucostigma 3292
 compatibility of 3293
 with pyrethrins, against, *Trialeurodes vaporariorum* 3937
 (1*R*-cis)- (see *Cismethrin*)
 (1*R*-trans)- (see *Bioresmethrin*)
- Respiration, books on** 5255
- Resseliella silvana* (see *Mycodiplosis*)**
- Resseliella skuhraavorum***
 sp. n., description of 3987
 in Poland 3987
 on *Larix decidua*, in Poland 3987
 on *Larix polonica*, in Poland 3987
- reticulana*, *Adoxophyes* (see *A. orana*)**
- reticularis*, *Prionoplus***
- reticulata*, *Eucheyletia***
- reticulata*, *Hemicheyletia***
- reticulatus*, *Acanthocinus***
- reticulatus*, *Trissolcus***
 (*Asolcus*)
- Reticulitermes***
Termitaria snyderi in
 in Florida 2213
 morphology of 2213
- Reticulitermes chayuensis***
 sp. n., description of 1922

***Reticulitermes chayuensis* contd.**

in Tibet 1922

on *Pinus yunnanensis*, in Tibet 1922***Reticulitermes flaviceps*, soldier**differentiation in, effects of JH mimics
on 806***Reticulitermes flavipes***

biology of 1921

caseins in, toxicity of 2426

control of

baits for 1921, 4816

insecticides for 1921, 4547

egg white in, toxicity of 2426

gut symbionts in 2738

in Austria 2738

in Canada 4816

in USA 1921, 2738

in dwellings, in Connecticut 1921

in timber, effects of soft-rot fungi on
7210in wood, effects of Basidiomycetes on
4234

intestinal symbionts of 805

nutrition of 805

on *Populus grandidentata* 805

preyed on by

ants, in Connecticut 1921

centipedes, in Connecticut 1921

rearing of, diets for 2426

Reticulitermes lucifugus*Conidiobolus coronatus* in, pathogenicity
of 1856

gut symbionts in 2738

in Italy 2738

in Portugal 2738

in wood, effects of Basidiomycetes on
4234***Reticulitermes lucifugus santonensis***

gut symbionts in 2738

in France 2738

in wood, effects of Basidiomycetes on
4234

repellents for, electroantennogram

responses to 7683

Reticulitermes santonensis* (see *R. lucifugus santonensis*)**retiferana*, *Gravarmata* (see *G. amethystana*)*****retorta*, *Speiredonia******Retracrus elaeis***

sp. nov., description of 2325

on oil palm 2325

retractalis*, *Sylepta**Réunion***Chilo sacchariphagus* in, on sugar-cane
249

Coccinellidae in 4137

Drosophila melanogaster in 2455

Drosophilidae in 7129-7131

Hedylepta indicata in, natural enemies of
4801*Opogona sacchari* in 6201**Réunion contd.**

Plusiinae in 3980

scale insects in, natural enemies of 4137

Sesamia calamistis in, on sugar-cane 249Tetranychidae in, natural enemies of
4137***reunioni*, *Scymnus******reunitor*, *Ichneutes******reuteri*, *Drepanothrips******reuteri*, *Haplothrips******revesi*, *Eriophyes*****Reviews**

Aitken, A.D., Insect travellers. Volume I.

Coleoptera [En] 3082

Akesson, N.B.; Yates, W.E., The use of

aircraft in agriculture [En] 6902

Ashburner, M.; Novitski, E. (Editors),

The genetics and biology of

Drosophila. Volume 1a [En] 6514

Bird, J.; Maramorosch, K. (Editors),

Tropical diseases of legumes [En]

6768

Bolton, B.; Collingwood, C.A.,

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British insects. Hymenoptera,

Formicidae [En] 8

Börner, H., Plant diseases and plant

protection (ed. 2) [De] 4488

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and pests of cereals and maize. An

identification book [De] 2770

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[Fr] 3777

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Dendrophilous insects of Moldavia

[Ru] 2584

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[Fr] 5425

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toxicology and technology as applied

to the environment (vol. 3) [En, Fr]

3332

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toxicology and technology as applied

to the environment (vol. 4) [En]

5152

Environmental quality and safety.

Supplement vol. III. Pesticides [En]

4542

Reviews *contd.*

- Coulston, F.; Korte, F. (Editors) *contd.*
Environmental quality and safety (vol. 5) [En] 7633
- Dahl, M.H.; Thygesen, T.B., Garden pests and diseases of flowers and shrubs [En] 3728
- Dalton, S., Borne on the wind. The extraordinary world of insects in flight [En] 4117
- David, B.V.; Kumaraswami, T., Elements of economic entomology [En] 6586
- Delucchi, V.L. (Editor), Studies in biological control [En] 6906
- Dirsh, V.M., Classification of the Acridomorphoid insects [En] 1732
- Eden, T., Tea (ed. 3) [En] 6801
- Evans, G., The life of beetles [En] 4183
- FAO/WHO Codex Alimentarius Commission, Recommended international maximum limits for pesticide residues [En] 5141
- Farahbakhch, G.; Moini, M., Olive pests in Iran [Pe] 5587
- Faulkner, R. (Editor), Seed orchards [En] 4421
- Friedlander, C.P., The biology of insects [En] 7104
- Gershenson, Z.S., Fauna of the Ukraine. Volume 15. Ermine moths. Part 6. Yponomeutidae, Argyresthiidae [Uk] 5225
- Gilyarov, M.S. (Editor), Methods of soil zoological studies [Ru] 5931
- Guenzi, W.D. (Editor), Pesticides in soil and water [En] 6389
- Gunther, F.A.; Gunther, J.D. (Editors)
Residue reviews (vol. 53) 1006
Residue reviews (vol. 54) [En] 3879
Residue reviews (vol. 55) [En] 3882
Residue reviews (vol. 56) [En] 3885
Residue reviews (vol. 57) [En] 3888
Residue reviews (vol. 58) 6941
Residue reviews (vol. 59) 6390
- Heath, J. (Editor), The moths and butterflies of Great Britain and Ireland. Vol. 1. Micropterigidae-Heliozelidae [En] 4594
- Higgins, I.J.; Burns, R.G., The chemistry and microbiology of pollution [En] 6952
- Hill, D.S., Agricultural insect pests of the tropics and their control [En] 2672
- Hoffmann, G.M. et al., Text book of phytomedicine [De] 6594
- International Atomic Energy Agency, Controlling fruit flies by the sterile-insect technique [En] 5126
- Ivliev, L.A. (Editor), Entomological Researches in the Far East. Issue 2. Diptera of the Far East (no. 5) [Ru] 1869

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- Jacobson, M., Insecticides from plants [En] 6033
- Jacobson, M. (Editor), Insecticides of the future [En] 5088
- Jeppson, L.R.; Keifer, H.H.; Baker, E.W., Mites injurious to economic plants [En] 2326
- Kalkandelen, A., Taxonomic study on the species of Homoptera: Cicadellidae from Central Anatolia [Tr] 546
- Khan, M.A.Q.; Bederka, J.P., Jr. (Editors), Survival in toxic environments [En] 5171
- King, R.C. (Editor), Handbook of genetics. Volume 3. Invertebrates of genetic interest [En] 5312
- Kloet, G.S.; Hincks, W.D., A check list of British insects. Part 5: Diptera and Siphonaptera (ed. 2) [En] 4004
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- Leftwich, A.W., A dictionary of entomology [En] 6585
- Lindroth, C.H., Handbooks for the identification of British insects. Coleoptera, Carabidae [En] 6
- Livshits, I.Z.; Mitrofanov, V.I., Plant-inhabiting mites. An illustrated key to families [Ru] 3360
- Lodos, N., Turkish entomology (general, applied and faunistic). Part I [Tr] 4141
- Lyneborg, L., Moths in colour [En] 5848
- Mamaev, B.M., Evolution of gall forming insects - gall midges [En] 6593
- Maramorosch, K.; Shope, R.E. (Editors), Invertebrate immunity. Mechanisms of invertebrate vector-parasite relations [En] 4451
- Maxwell, F.G.; Harris, F.A. (Editors), Proceedings of the Summer Institute on Biological Control of Plant Insects and Diseases [En] 3175
- Messenger, P.S.; Bosch, R. van den, Biological control [En] 2254

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- New, T.R., Handbooks for the identification of British insects. Psocoptera [En] 5
- Novák, V.J.A., Insect hormones (Eng. ed. 2) 4061
- Nye, I.W.B., The generic names of moths of the world. Vol. 1. Noctuoidea (part): Noctuidae, Agaristidae, and Nolidae [En] 3999
- O'Connor, M.; Woodford, F.P., Writing scientific papers in English. An ELSE-Ciba Foundation guide for authors [En] 2319
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- Perkow, W.
Active ingredients of plant-protection and pest-control materials [De] 1020
Supplement 1 (May 1974) 1021
- Pimentel, D. (Editor), Insects, science, and society [En] 4589
- Poddubnyi, A.G., The Psyllids of Moldavia [Ru] 5228
- Poinar, G.O., Jr., Entomogenous nematodes. A manual and host list of insect-nematode associations [En] 2732
- Price, P.W., Insect ecology [En] 2470
- Pyenson, L.L.; Barké, H., Laboratory manual for entomology and plant pathology [En] 6563
- Rainey, R.C. (Editor), Insect flight [En] 6596
- Rockstein, M. (Editor)
The physiology of Insecta (ed. 2, vol. VI) [En] 5255
The physiology of Insecta (vols. II-V, ed. 2) [En] 4036
- Rupaňs, A.A., Key to pests of ornamental and fruit trees and bushes based on injury [Ru] 6431
- Saunders, D.S., Insect clocks [En] 7052
- Schulze, L., A review of silk production and spinning activities in arthropoda with special reference to spinning in Tenebrionid larvae (Coleoptera) [En] 4049
- Schwerdtfeger, F., Ecology of Animals. Vol. III. Synecology [De] 3445
- Seifert, G., Entomological laboratory handbook (ed. 2, revd.) [De] 4588
- Smartt, J., Tropical pulses [En] 6771
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- Stahl, M.; Umgelter, H., Plant protection in the cultivation of ornamental plants (ed. 2) [De] 6811
- Stary, P., Aphid parasites (Hymenoptera, Aphididae) of the Mediterranean area [En] 6644
- Stone, J.L.S.; Midwinter, H.J., Butterfly culture. A guide to breeding butterflies, moths and other insects [En] 3504
- Street, J.C. (Editor), Pesticide selectivity [En] 6916
- Summers, M.; Engler, R.; Falcon, L.A.; Vail, P.V. (Editors), Baculoviruses for insect pest control: safety considerations [En] 6912
- Treat, A.E., Mites of moths and butterflies [En] 5979
- Treherne, J.E.; Berridge, M.J.; Wigglesworth, V.B. (Editors), Advances in insect physiology (vol. 11) [En] 2388
- Usherwood, P.N.R. (Editor), Insect muscle [En] 2429
- van den Bos, J.; Rabbinge, R., Simulation of the fluctuations of the grey larch bud moth [En] 6847
- Villacorta, A., Basics of the preparation of diets for insects [Es] 139
- Watson, T.F.; Moore, L.; Ware, G.W., Practical insect pest management. A self-instruction manual [En] 6374
- Weber, H.; Weidner, H., An outline of entomology (ed. 5) [De] 6426
- White, M.J.D. (Editor), Genetic mechanisms of speciation in insects [En] 4682
- Wood, G.A.R., Cocoa (ed. 3) [En] 4384
- Wyniger, R., Insect rearing. Methods for the rearing and maintenance of insects and mites in the laboratory [De] 5395
- Yasumatsu, K.; Mori, H. (Editors), Approaches to biological control [En] 3835
- Yunus, A.; Balasubramaniam, A., Major crop pests in peninsular Malaysia [En] 2678
- reyesi, Eriophyes**
RH-60, against, thrips, on onion 5944
RH-218 (see Phosphorothioic acid, *O*-ethyl *S*-propyl *O*-(2,4,6-trichlorophenyl) ester)
- Rhabdionvirus oryctes**, in, *Oryctes rhinoceros*, biological control with, in Fiji 6357
- Rhabditidae**, in, insects 957
- Rhabdoscelus obscurus**
in USA (Hawaii) 4781
on sugar-cane, in Hawaii 4781
parasitised by, *Lixophaga spheophori*, in Hawaii 4781

- Rhadinotermes***, in southern Africa 1314
- Rhagium inquisitor***
 control of, insecticides for 2178
 in Greece 5000
 in USSR 2178
 in timber
 imported into Bulgaria 2178
 in USSR 2178
 on *Abies cephalonica*, in Greece 5000
- Rhagium sycophanta***
 in Poland 5662
 on *Quercus robur*, in Poland 5662
- Rhagoletis***
 biology of 5971
 control of 5971
 sympatric host race formation in 4682
- Rhagoletis berberidis*** 73
- Rhagoletis cerasi***
 biotypes of 73
 body measurements in 7158
 control of
 genetic 5113, 7556
 insecticides for 527, 3318
 pheromones for 6736
 sterile-insect release for 3225, 4909, 5134
 timing of measures for 6718
 development in, effects of climate on 4321
 diapause in 4320
 flight activity in 3226, 6540
 genetic variation in 73
 techniques for monitoring 5128
 in Austria 4321
 in Bulgaria 1842
 in Hungary 4320
 in Poland 527, 3318, 6718, 6928
 in Switzerland 3225, 4322, 4909, 5134, 6736
 in West Germany 4320
 markers for, rare earths as 2578
 marking of
 fluorescent paints for 4171
 indicator activation analysis for 4172
 radiophosphorus for 2540
 on *Berberis vulgaris* 73
 on cherry 73, 5271
 damage caused by 6928
 in Bulgaria 1842
 in Hungary 4320
 in Poland 527, 3318, 6928
 in Switzerland 3225, 4322, 4909, 5134, 6736
 in West Germany 4320
 on *Lonicera* 73
 on *Prunus cerasus* 73
 oviposition-detering pheromone in 5263, 5271, 6746
 pupae of, methods for sexing 7158
 rearing of, flight studies and quality control during 4717
- Rhagoletis cerasi* contd.**
 sterilisation of, γ -irradiation for 3225–3226
 taxonomy of
 characters distinguishing *Ceratitis capitata* and 4001
 characters distinguishing *Dacus oleae* and 4001
 traps for 1842, 4322, 4723
- Rhagoletis cingulata***, traps for 2580
- Rhagoletis completa***
Pseudomonas spp. in 7295
Serratia spp. in 7295
Xanthomonas spp. in 7295
- Rhagoletis fausta***
 control of, insecticides for 4564
 in Canada 4564
 on *Prunus cerasus* 544
 oviposition in, pheromonal inhibition of 544
- Rhagoletis indifferens***
 aggressive behaviour in 2020
 coldhardiness in 3471
 control of, insecticides for 2886, 4564
 in Canada 4564
 in USA 2020, 2886, 3471
 on cherry, in Oregon 2020, 2886
 parasitised by, *Psilus* spp., in Oregon 3471
- Rhagoletis pomonella***
 biology of 6729
 control of 6729
 insecticides for 7541
 timing of sprays for 1420
 fecundity in 2483
 illustrations of 6729
 in Canada 1420, 5407, 6729
 in USA 2876, 2879, 3621, 5345, 7541
 legislation on, in Quebec 5407
 mating behaviour in 2511
 mating in, effects of γ -irradiation on 5880
 on apple
 assessing infestations of 1420
 damage caused by 6729
 in Canada 6729
 in Indiana 3621
 in New York 2876, 2879
 in North Carolina 7541
 in Nova Scotia 1420
 in Ontario 1420
 in Quebec 1420
 on cherry, in Texas 5345
 oviposition in, pheromonal inhibition of 544
 sterilisation of, γ -irradiation for 5880
 traps for 1420, 2580, 2876, 2879
 Tachinidae in 3621
 visual responses in, role in orientation to trees of 5345
- Rhagoletis fulva***, preyed on by, *Formica polyctena* 1266

Subject Index

- rhamnellus*, *Yponomeuta*
Rhamnosidase, α -L-, in *Locusta migratoria*
 gut, not found 739
Rhamnus cathartica
Yponomeuta spp. on, in Netherlands 5226
Y. rhamnellus on, in Ukraine 5226
Rhaphotittha
 food consumption of 116
 in grassland, in Tanzania 116
rhedrella, *Pammene*
rhenanus, *Typhlodromus*
 (*Amblyseius*)
 (*Anthoseius*)
Rhena raphonticum (see Rhubarb)
Rheumaptera undulata
 larval development in, effects of starvation
 on food conversion during 5860
 on *Prunus serotina*, development of 5860
Rhexia, *Heliothis* spp. on, in South Carolina 3512
Rhina barbirostris (see *Rhinostomus*)
Rhinacloa forticornis
 food-plants of 3714
 in USA 3714
 natural enemies of, in Arizona 3714
 on cotton, in Arizona 3714
rhinanthi, *Hyperomyzus*
rhinoceros, *Oryctes*
Rhinochenus
 biology of 7020
 on *Hymenaea courbaril* 7020
 taxonomy of 7020
Rhinocyllus conicus
 in France 2742, 3566
 in USA 2761
 mortality in 2761
 on *Carduus acanthoides*, and biological
 control using, in Virginia 2742
 on *Carduus nutans*
 and biological control using
 in New Zealand 3972
 in Quebec 6660
 in Virginia 2742, 3566
 in Virginia 2761
 parasitised by
Aliolus curculionis, in Virginia 2742,
 2761
Bracon mellitor, in Virginia 2742,
 2761
Campoplex polychrosidis, in Virginia
 2742, 2761
Rhinostomus barbirostris
 in Surinam 310
 on *Astrocaryum segregatum*, in Surinam
 310
Rhinyptia laeviceps
 control of
 insecticides for 4873
 traps for 4873
 in India 4873
Rhinyptia laeviceps contd.
 on *Pennisetum typhoides*
 damage caused by 4873
 in Rajasthan 4873
Rhipiphorothrips cruentatus
 in India 6639
 on rose, in Punjab 6639
 preyed on by, *Polistes olivaceus*, in Punjab
 6639
Rhizobium, aldrin in, effects on carbon
 assimilation of 5812
Rhizobium japonicum, aldicarb in, effects on
 growth and metabolism of 6416
Rhizobium trifolii
 aldrin in, effects on carbon assimilation of
 5812
 insecticides in, effects on growth of 4568
Rhizobium lophanthae (see *Lindorus*)
Rhizobius ventralis
 in Australia 333
 preying on, *Ceroplastes rubens*, in
 Queensland 333
Rhizococcus, taxonomy of, synonym of
Acanthococcus 11
Rhizoctonia, aldicarb in, metabolism of
 6420
Rhizoglyphus echinopus
 control of, acaricides for 5411
 food-plants of 6199
 in UK 5411, 5655
 in USA 153
 in narcissus bulbs
 imported into India 6199
 in Scotland 5655
 in stored freesia corms, in England 5411
 preying on, *Bothynus gibbosus*, in Texas
 153
Rhizoglyphus engeli
 in Netherlands 5411
 on freesia, damage caused by 5411
 on gladiolus, damage caused by 5411
 on lily, damage caused by 5411
Rhizomes, fumigation of, standards for
 6926
Rhizophagidae, preying on, bark beetles, in
 USSR 6627
Rhizophagus ferrugineus
 in USSR 6627
 preying on, bark beetles, in USSR 6627
Rhizotrogus aequinoctialis, in Hungary
 4281
Rhodamine WT, for evaluation of insecticide
 deposits on *Acer rubrum* 2545
Rhodesia
Agrotis ipsilon in 5940
A. segetum in 5940
Ancistrotermes latinotus in
 in dwellings 4232
 on *Eucalyptus* 4232
 aphids in, natural enemies of 1049
Cicadulina mbila in, on maize 282
C. parazeae in, on maize 282

Rhodesia contd.

- Cicadulina contd.*
C. storeyi in, on maize 282
 cotton in, pest control on 5961
Eumerus obliquus in 1247
Heliothis spp. in, on cotton 1049
 light-trap grid in 1224
Mecosta migratoria in 7171
Mecostibus pinivorus in, on *Pinus* 6435
 potato in, pests of 4966
Psammotermes allocerus in 1312
Pseudoperichaeta laevis in 4801
Schedorhinotermes lamanianus in 1311
Sphaeraspis salisburyensis in 813
Spodoptera spp. in 564
S. exempta in
 on grasses 4247
 on oats 4247
 Tetranychidae in, on cotton 1049
Tetranychus cinnabarinus in, on cotton 5947
T. lombardini in, on cotton 5947
T. ludeni in, on cotton 5947
T. urticae in 5947
Rhodiola (see Parathion)
Rhodiola rosea, *Phytomyza rhodiola* on, in Yukon 7016
rhodiola, *Phytomyza*
Rhodnius
 diapause in, role of hormones in 2437
 metamorphosis in, role of hormones in 2437
 polymorphism in, role of hormones in 2437
Rhodnius prolixus, alkaloids in, excretion of 7072
Rhodobium porosum (see *Acyrtosiphon*)
rhodococci, *Metaphycus*
Rhodococcus bulgaricus
 in Hungary 7004
 on *Rosa*, in Hungary 7004
 parasitised by, *Metaphycus kozari*, in Hungary 7004
Rhodococcus rosaelutea
 in USSR 7004
 on *Rosa*, in Central Asia 7004
 parasitised by, *Metaphycus rhodococci*, in Central Asia 7004
rhododendri, *Dicyphus*
rhododendri, *Synanthedon*
Rhododendron
 Acleris latifasciana on, in Yugoslavia 4591
 Dicyphus rhododendri on, in England 6553
 Fiorinia horii group on
 in Nepal 2321
 in Taiwan 2321
 Otiorynchus sulcatus on, in USA 1739
 Synanthedon rhododendri on, in Alabama 6202

- Rhododendron maximum*, *Dicyphus rhododendri* on, in Pennsylvania 6553
Rhododendron metternichii, *Fiorinia horii* group on, in Japan 2321
Rhodophaea adenella (see *Eurhodope*)
Rhombomys opimus, carbaryl in, effects on reproduction of 6971
Rhopaea morbillosa, entomopox virus in, infectivity of 6044
Rhopaea verreauxi
 Bacillus popilliae in, spore production of 467
 entomopox virus in, infectivity of 6044
Rhopalicus brevicornis
 in USSR 6627
 parasitising, bark beetles, in USSR 6627
Rhopalicus pulchripennis
 in USA 1273
 parasitising, *Ips* spp., in Georgia (USA) 1273
Rhopalocera, parasitised by, *Pteromalus puparum* 6022
Rhopalomyia, taxonomy of, *Diarthronomyia* reduced to subgenus of 2334
Rhopalomyia ambrosiae
 sp. nov., description of 223
 in USA 223
 on *Ambrosia artemisiifolia*, in Florida 223
Rhopalomyia pomum, taxonomy of, proposed as new name for *Diarthronomyia artemisiae* 2334
Rhopalosiphoninus latysiphon
 in UK 4352
 on potato, in UK 4352
Rhopalosiphoninus ribesinus, in Poland 4151
Rhopalosiphum insertum
 alate production in, effects of crowding on 5853
 apterae of, effects of crowding on 5853
 biology of 325
 control of
 insecticides for 325, 5569, 7508, 7513, 7526
 low dose sprays for 7526
 illustrations of 2766
 in Switzerland 3626
 in UK 5569, 7508, 7513, 7526
 in USSR 325
 on apple
 in England 5569, 7508, 7513, 7526
 in Switzerland 3626
 in Ukraine 325
 population dynamics of 3626
Rhopalosiphum maidis
 barley yellow dwarf virus in, transmission of 3110, 3577, 6038, 6041
 control of
 growth regulators for 5299, 7083
 insecticides for 3577, 4267, 6049
 illustrations of 2766

***Rhopalosiphum maidis* contd.**

- in Canada 1176, 3590, 6041, 6049
- in Chile 3982
- in Egypt 178, 4776, 4836, 5506
- in India 4874, 6683
- in Italy 6746
- in Peru 176, 283
- in Turkey 6038
- in USA 1176, 1344, 4267, 7276, 7359
- maize dwarf mosaic virus in, transmission of 4267
- maize mosaic virus in, transmission of 6038
- migration in 1176
- on barley
 - in Canada 6041
 - in South Dakota 1344
- on *Citrus*, in Italy 6746
- on maize 280
 - in Canada 3590
 - in Egypt 178, 4776, 4836, 5506
 - in Kansas 4267
 - in Karnataka 6683
 - in Ontario 6049
 - in Peru 283
- on oats, effects of 3577
- on *Pennisetum purpureum*, in Delhi 4874
- on sorghum, in Texas 7276
- on *Sorghum halepense*, in Texas 7276
- on weeds, in Indiana 7359
- on wheat
 - effects of 3577
 - in Texas 7276
- parasites of, in Texas 7276
- predators of
 - in Canada 3590
 - in Texas 7276
- preyed on by
 - Allograpta exotica*, in Peru 283
 - Ischiodon aegyptius* 4775
 - Menochilus sexmaculatus* 791, 1903, 4778, 7199
 - Paederus alfieri*, in Egypt 5506
 - Scymnus interruptus*, in Egypt 178
 - Sphaerophoria rueppellii*, in Egypt 4776
 - Syrphus shorae*, in Peru 283
- seasonal abundance of 4836
- sorghum red leaf disease, causal agent in, transmission of 2816
- soy-bean mosaic virus in, transmission of 7359
- biotype KS-5 4267

Rhopalosiphum nymphaeae, rearing of, diets for 5924***Rhopalosiphum padi***

- alarm pheromone in 600
- barley yellow dwarf virus in, transmission of 2785, 3110, 3115, 4872, 5721, 6038, 6041, 7227
- biology of 1339, 1939, 6672

***Rhopalosiphum padi* contd.**

- cardamom (greater) mosaic streak virus in, transmission of 946
- control of
 - growth regulators for 3892
 - insecticides for 1339, 1610, 1677, 1939, 2269
 - timing of measures for 5496
- hyperparasites of, in New Zealand 1895
- illustrations of 2766
- in Belgium 821
- in Bulgaria 1939
- in Canada 6041
- in Chile 3982, 5489
- in East Germany 5496
- in Finland 2273, 7227
- in India 946
- in New Zealand 1895, 2269
- in Peru 176
- in Poland 1352
- in Turkey 6038
- in UK 4872
- in USA 1344
- in USSR 1877, 6672
- in West Germany 1610, 2781, 5487
- maize dwarf mosaic virus in, transmission of 2190
- maize mosaic virus in, transmission of 6038
- migration in 1610
- natural enemies of, in Bulgaria 1939
- on barley 1677
 - in Canada 6041
 - in South Dakota 1344
 - in West Germany 5487
- on grain crops
 - damage caused by 6672
 - in Europe 1339
 - in USSR 6672
 - in West Germany 1610
- on maize, in Poland 1352
- on oats
 - in Canada 6041
 - in Finland 7227
 - in South Dakota 1344
 - in West Germany 5487
- on *Prunus padus*, in USSR 1877
- on wheat 3892
 - assessing infestations of 2781
 - forecasting infestations of 1939
 - in Belgium 821
 - in Bulgaria 1939
 - in Canada 6041
 - in Chile 5489
 - in East Germany 5496
 - in New Zealand 2269
 - in South Dakota 1344
 - in West Germany 2781, 5487
- parasitised by, *Aphidius uzbekistanicus*, in Belgium 821
- pea enation mosaic virus in, transmission of 3112

***Rhopalosiphum padi* contd.**

- population dynamics of 5496
- preyed on by
 - Coccinella septempunctata* 787, 1285
 - and biological control using 4835
- Episyrphus balteatus*
 - in Poland 1352
 - in USSR 1877
- Harmonia axyridis* 787, 1285
- Sphaerophoria scripta*, in Poland 1352
- rice giallume virus in, transmission of 7250

Rhopalosiphum prunifoliae* (see *R. padi*)**Rhopalosiphum pseudobrassicae* (see**

Lipaphis erysimi)

Rhopalovalva amabilis

- sp. n., description of 560
- in Japan 560
- on *Fagus crenata*, in Japan 560

***Rhubarb* (*Rheum rhaponticum*)**

- Apion antiquum* on, feeding by 4241

Rhus radicans

- Pityophthorus crinalis* on, in Indiana 1572
- Xylobiops basilaris* on, in Indiana 1572

***Rhus toxicodendron*, *Magacicada* spp. on, in**

Ohio 6521

***Rhus trilobata*, *Eurytoma compressa* on, in**

California 1076

***Rhus virens*, *Eurytoma compressa* on, in**

Mexico 1076

Rhyacionia buoliana

- biology of 6846
- control of, mating disruption for 3401
- flight activity in 4718
- fluorine in, residues of 1812
- in Canada 202, 628, 1283, 2154
- in Czechoslovakia 1812
- in Greece 7419
- in Spain 6846
- in USA 4393
- in USSR 3049, 5453
- in West Germany 202, 1633, 5684
- on *Pinus*
 - effects of essential oils on 3049
 - effects on resin of 2123
 - in Missouri 4393
 - in Ontario 1283
 - in Ukraine 3049
 - in USSR 5453

on *Pinus contorta*, in West Germany

202

on *Pinus mugo*, in British Columbia

2154

on *Pinus nigra*

in British Columbia 2154

in Greece 7419

in Spain 6846

on *Pinus pinaster*, in Greece 7419**on *Pinus ponderosa*, in British Columbia**

2154

on *Pinus radiata*, in Greece 7419***Rhyacionia buoliana* contd.**

- on *Pinus sylvestris*
 - in Spain 6846
 - in West Germany 202, 1633
- on *Pinus taeda*, in Greece 7419
- parasites of
 - in Czechoslovakia 1812
 - interactions between 202
- parasitised by
 - Actia nudibasis*, in West Germany 202
 - Campoplex ramidulus*, in West Germany 202
 - C. rufifemur*
 - and biological control using, in Canada 202
 - in West Germany 202
 - Diptera, in Missouri 4393
 - Ephialtes comstockii*, in Canada 628
 - Hymenoptera, in Missouri 4393
 - Hyssopus thymus*
 - in Canada 628
 - in Ontario 1283
 - Orgilus obscurator*
 - and biological control using, in Canada 202
 - in West Germany 202
 - Pristomerus* spp., in West Germany 202
 - Temelucha interruptor*
 - and biological control using, in Canada 202
 - in West Germany 202
 - Trichogramma evanescens*, and biological control using, in USSR 5453
- sex pheromone of, inhibitors of response to 1633
- traps for 1633, 2154
- Rhyacionia buoliana thurificana***
 - in Greece 7419
 - on *Pinus brutia*, in Greece 7419
 - on *Pinus halepensis*, in Greece 7419
- Rhyacionia bushnelli***
 - in USA 183, 3040
 - parasites of, in Great Plains 183
 - taxonomy of, *Rhyacionia frustrana* misidentified as, in California 3040
- Rhyacionia duplana***
 - biology of 4395
 - descriptions of 4395
 - in Spain 1523, 4395
 - on *Pinus*, in Spain 1523, 4395
 - oviposition in 1523
 - parasitised by
 - Braconidae, in Spain 4395
 - Chalcidoidea, in Spain 4395
 - Ichneumonidae, in Spain 4395
- Rhyacionia duplana simulata* (see *R. simulata*)**
- Rhyacionia frustrana***
 - control of, insecticides for 3040, 4413
 - in Canada 193

***Rhyacionia frustrana* contd.**

- in USA 206, 2149, 3032, 3040, 4393, 4413
- on *Pinus*, in Missouri 4393
- on *Pinus clausa*, in Georgia (USA) 4413
- on *Pinus elliottii*, in Florida 3032
- on *Pinus radiata*
 - in California 3040
 - in Georgia (USA) 3040
- on *Pinus taeda*
 - in Georgia (USA) 2149
 - in Maryland 206
- on *Pinus virginiana*, in Georgia (USA) 4413
- parasitised by
 - Apanteles petrovae*, in Canada 193
 - Bracon gemmaecola*, in Florida 3032
 - Haltichella rhyacioniae*, in Missouri 4393
 - Hymenoptera, in Florida 3032
 - Lixophaga mediocris*, in Maryland 206
 - Pristomerus austrinus*, in Missouri 4393
- pheromone-producing glands in 6457
- preyed on by, *Zethus spinipes*, in Maryland 206
- taxonomy of, misidentified as *R. bushnelli*, in California 3040

Rhyacionia neomexicana

- biology of 3066
- in USA 3502, 3766, 6844
- on *Pinus ponderosa*
 - damage caused by 3066
 - distribution pattern of 3766
 - in Arizona 3766
 - in Colorado 6844
- parasitised by
 - Diptera 3066
 - Hymenoptera 3066
- predators of 3066
- pupal abnormality in 6844
- traps for 3502

Rhyacionia rigidana

- in USA 2149, 4393
- on *Pinus*, in Missouri 4393
- on *Pinus taeda*, in Georgia (USA) 2149
- parasitised by
 - Campoplex frustranae*, in Missouri 4393
 - Itopectis conquisitor*, in Missouri 4393
 - Macrocentrus ancyliivorus*, in Missouri 4393
- pheromone-producing glands in 6457

Rhyacionia simulata

- habitats of 3044
- in Japan 1094, 3044
- on *Pinus densiflora*, in Fukuoka Prefecture 3044
- on *Pinus thunbergii*, in Fukuoka Prefecture 3044

***Rhyacionia simulata* contd.**

- parasitised by
 - Aritranis pini*, in Japan 1094
 - Diadegma pini*, in Japan 1094
 - Scambus vulgaris*, in Japan 1094
- Rhyacionia subtropica***
- in USA 3032–3033
 - instars of 3033
 - on *Pinus elliottii*, in Florida 3032–3033
 - parasitised by, Hymenoptera, in Florida 3032
 - pheromone-producing glands in 6457

rhyacioniae, Haltichella***Rhynacus globosus***

- sp. nov., description of 2325
- on *Anacardium occidentale* 2325

Rhynacus kraussii

- in Colombia 222
- on *Lantana camara*, in Colombia 222

Rhyncaphyoptidae*, taxonomy of 2326**Rhynchaenus fagi***

- biology of 2131
- in Denmark 2130–2131
- in Iran 6217
- on *Fagus*, in Denmark 2130–2131
- on *Fagus orientalis*
 - damage caused by 6217
 - in Iran 6217
- traps for 2130

Rhynchaenus testaceus

- biology of 5251
- descriptions of 5251
- in Finland 5251
- on *Alnus*, in Finland 5251

Rhynchites auratus

- in Italy 17
- parasitised by, *Ophioneurus longiclavatus*, in Italy 17

Rhynchoforcipomyia*, taxonomy of 1493**Rhynchophorus ferrugineus***

- control of
 - insecticides for 1387, 6089
 - integrated 3613
 - sterile-insect release for 146
- garlic oil in, toxicity of 518
- in India 147, 1387, 3613, 6089
- on coconut
 - in India 3613
 - in Kerala 147, 6089
 - in Tamil Nadu 1387
- preyed on by, *Chelisoches morio*, in Kerala 147

rearing of

- diets for 1989
- techniques for 6088
- sterilisation of 3233
- X-irradiation for 146

Rhynchophorus palmarum

- biology of 3611
- in Mexico 3611
- on coconut, in Mexico 3611
- sexual dimorphism in 3611

Rhynchosciara angelae

- chromosomes in 1585
- DNA synthesis in 1585
- nuclear polyhedrosis virus in, effects on
DNA synthesis of 1585

Rhynchothrips*, in Crimea 1**Rhynocoris bicolor***

- colour forms of 1734
- in Ghana 1734
- in Nigeria 1456
- in cacao plantations, in Ghana 1734
- preying on, *Acanthomia horrida*, in
Nigeria 1456

Rhynocoris fuscipes

- in India 2059, 6641
- preying on
Diacrisia obliqua
in India 2059
- in Madhya Pradesh 6641

Rhyssa

- attraction of, by yeasts in host oviposition
holes 2216
- parasitising, *Sirex noctilio* 2216

Rhyssa hoferi

- in USA 3741
- parasitising, *Sirex juvencus*, in USA
3741

Rhyssa howdenorum

- in USA 188
- parasitising, *Sirex* spp., in USA 188

Rhyssa lineolata

- in USA 188
- parasitising, *Sirex* spp., in USA 188

Rhyssa persuasoria

- in Irish Republic 4154
- in UK 4154
- in USA 188
- parasitising
Sirex spp., in USA 188
- S. cyaneus*, in Northern Ireland 4154
- Urocerus augur*, in Irish Republic
4154
- U. gigas*
in Irish Republic 4154
- in Northern Ireland 4154

Rhytidoponera araneoides

- in Papua New Guinea 1490
- on cacao, in Papua New Guinea 1490

Rhyzopertha dominica

- Bacillus thuringiensis* in, dispersal of
5729
- behaviour in, effects of light on 3782
- γ -BHC resistance in, testing for 1207
- bromomethane resistance in, testing for
2543
- cold tolerance in, effects of starvation on
5048
- control of 1557
- antifeedants for 1552
- fumigants for 2171, 4442
- growth regulators for 5053, 7082
- inert atmospheres for 2169
- Rhyzopertha dominica* contd.
control of contd.
inert dusts for 5709
- infrared irradiation for 6265
- insecticides for 448, 1669, 3783, 5052,
5708, 6245, 6252, 6276, 6283, 6295,
6395, 6858
- IR-irradiation for 939
- γ -irradiation for 1952
- microwave irradiation for 6265
- plant extracts for 4439
- repellents for 1552
- tricalcium phosphate for 1548
- ventilation for 4444
- dichlorvos resistance in
in Australia 6252
- in New South Wales –6288
- in Australia 1557, 6252, 6276, 6288
- in Chile 6245
- in East Germany 2171, 4444
- in Egypt 451
- in India 1562, 3783, 4437
- in Malaysia 6295
- in Peru 680
- in Switzerland 7082
- in Turkey 6858
- in USA 5709
- in composite cans, resistance to 4431
- in flour mills
in Egypt 451
- in India 1562
- in packaging materials
damage caused by 3261
- resistance to 454
- in stored barley, resistance to 6867
- in stored grain
damage caused by 4444
- in East Germany 2171, 4444
- in Victoria 1557
- in stored maize 5050
- resistance to 1564
- in stored rice 5050
- in India 3783
- in Malaysia 6295
- in stored wheat 5050, 6229
- damage caused by 4437, 4439, 6318
- in Australia 6252
- in Chile 6245
- in Kansas 5709
- in Peru 680
- in Uttar Pradesh 4437
- resistance to, effect of temperature on
3785
- varietal preferences of 4437–4438
- malathion resistance in 6249
- in New South Wales 6288
- testing for 1207
- on wheat 6229
- phosphine resistance in, testing for 2543
- preyed on by
Tenebroides mauritanicus 7472
- Tribolium castaneum* 4433

- Rhyzopertha dominica** *contd.*
 seasonal abundance of 451
ribeana, *Pandenis* (see *P. cerasana*)
Ribes, *Phomopsis* spp. in, in France 6712
Ribes grossularia (see Gooseberry)
Ribes nigrum (see Currant, black)
Ribes rubrum (see Currant, red; Currant, white)
ribesii, *Syrphus*
ribesinus, *Rhopalosiphoninus*
ribis, *Cecidophyopsis* (*Eriophyes*)
ribis, *Macrophya*
ribisnigri, *Nasonovia*
Riboflavine
 diet component for
 aphids 5924
Oryzaephilus mercator 2418
Sitophilus oryzae 1757
 in *Agrotis segetum*, effects on fertility of 1767
 in *Heliothis virescens* diet, requirement for 665
Tetranychus urticae feeding response to 1710
Ribonucleic acids
 diet component for, *Phryxe caudata* 1235
 in *Anthonomus grandis*, during diapause 6474
 in *Celerio euphorbiae*, effects of JH and β -ecdysone on synthesis of 1771
 in *Heliothis virescens*, effects of β -ecdysone on synthesis of 2232
 in *Oncopeltus fasciatus*, role of isoxanthopterin-protein complex in synthesis of 6503
 in *Pieris brassicae*, correlation of pupal-adult transformation and 5258
 in *Rhynchosciara angelae*, effects of nuclear polyhedrosis virus on 1585
 in *Tribolium confusum* diet, effects on development of 5246
 in *Trichoplusia ni*, parasite inhibiting synthesis of 788
Ribonucleic acids, messenger, in *Tenebrio molitor*, control of 2404
Ribonucleic acids, ribosomal
 in *Pieris brassicae*, effects of β -ecdysone on synthesis of 4667
 in *Trichoplusia ni*, thermolability of 3393
Ribonucleic acids, transfer, in *Tenebrio molitor*, developmental changes in 2404
Ribonucleic acids, viral
 in *Bombyx mori* cytoplasmic polyhedrosis virus 1586
 in iridescent viruses, synthesis of 953
 in *Spodoptera litura* nuclear polyhedrosis virus 6895
Rice (*Oryza sativa*)
Aceria bakkeri on 2325
Rice *contd.*
Ampittia dioscorides on, in India 5510
Baliothrips bififormis on
 in Bangladesh 4854
 in Kiangsu Province 6687
 in Tamil Nadu 4857
 resistance to 4857
 γ -BHC in, effects on yield of 831
 carbaryl in, effects on yield of 831
Carpocoris pudicus on, in Pakistan 1338
 cartap in, effects on growth of 5517
Cerotoma fascialis on, in Colombia 5983
Chilo spp. on, in Karnataka 1882
C. auricilius on, in Orissa 6694
C. partellus on, in Pakistan 773
C. polychrysus on
 damage caused by 4270, 4849
 in Hong Kong 2809
 in Malaya 4849
 in Thailand 3595
C. suppressalis on 1966, 3847
 damage caused by 4274
 effects of transplanting on 5511
 forecasting infestations of 3848, 7252
 in France 5073
 in Honshu 7252
 in Indonesia 715
 in Iran 7254
 in Japan 1358, 2803, 3848, 4845, 5267, 5511, 7268, 7609
 in Kwangtung Province 2811
 in Mie Prefecture 3597
 in Philippines 3598
 in South Korea 1361, 3279, 4273
 in Taiwan 2247
 resistance to 1361, 5514, 6066
C. zacconius on, in Nigeria 4860, 7273
Cnaphalocrocis medinalis on
 effects of fertilizers on 4846-4847
 in Hong Kong 2809
 in Indonesia 716
 in Kerala 2798, 3291, 4793
 in Kwangtung Province 2811
 in Kyushu 7256
 in Tamil Nadu 827, 832, 1963, 2800, 4846-4847, 4857
 resistance to 723, 1963, 2800, 4857
 cyanophos in, residues of 1966
Diabrotica balteata on, in Colombia 5983
Diatraea saccharalis on, in Peru 709-710
 diazinon in, metabolism of 1955
Diopsis spp. on, in Nigeria 7273
Eccoptopterus spinosus on, in Burma 4272
 endrin in
 determination of 829-830, 5921
 effects on yield of 831
 residues of 830
 entomology on 6992
Euproctis virguncula on, in Punjab 1345
 fenitrothion in, residues of 3310

Rice contd.

- Herpetogramma licarsisalis* on, in Hong Kong 2809
- Hieroglyphus daganensis* on, in Nigeria 5423
- H. nigrореpletus* on, in Uttar Pradesh 2813, 6603
- Hydrellia* spp. on, in Nigeria 7273
- H. philippina* on
damage caused by 5514
in Kerala 4794
in Philippines 3598
- H. sasakii* on, in Tamil Nadu 4866
- Hypothenemus polyphagus* on
damage caused by 4272
in Cameroon 4272
- insect control on, in Malaysia 1693
- insect pests of
in India 6690
in Indonesia 713
in Malaysia 1951
in Sierra Leone 833
succession of 833
- JH mimics in, metabolism of 1702
- Laodelphax striatella* on 3436
development of 5755
in Hiroshima Prefecture 835
in Japan 826, 1954
in South Korea 1360, 2188, 4132
in Tokushima Prefecture 1354
resistance to 825, 1360
- leaf-eating insects on, damage caused by 725
- Lenodora vittata* on, in Karnataka 4867
- Lepidoptera on 6906
damage caused by 1356
in Malaysia 1356
- Leptocoris acuta* on 717
damage caused by 7272
in Celebes 7272
- Lissorhoptrus isthmicus* on, in Haiti 5981
- malathion in, persistence of 6966
- Maliarpha separattella* on, in Nigeria 4860, 7273
- Naranga aenescens* on, in Akita Prefecture 4850
- Nephotettix* spp. on, in Tokushima Prefecture 1354
- N. cincticeps* on 3436
in Japan 826, 1954, 2544, 2803, 2806–2808
in South Korea 3279, 4273
in Taiwan 1961, 2801, 4862
resistance to 2804, 2814
- N. nigropictus* on
in Himachal Pradesh 4863
in Taiwan 2247
resistance to 7251
- N. virescens* on
assessing infestations of 6693
damage caused by 5514

Rice contd.

- Nephotettix virescens* on contd.
in Celebes 7257
in Delhi 6693
in Himachal Pradesh 4863
in Indonesia 724
in Madhya Pradesh 7265
in Orissa 6694
in Philippines 3598
resistance to 7251
- Nilaparvata lugens* on 717, 1804, 1965
damage caused by 5514, 7262
development of 5755
feeding by 7065
in Andhra Pradesh 7263
in Himachal Pradesh 4863
in India 4864, 6696
in Japan 287, 1954, 5515, 5755, 6688, 7612
in Kerala 289, 2805
in Kwangtung Province 2811
in Kyushu 7255
in Madhya Pradesh 7264
in Malaya 4865
in Philippines 3598
in Saga Prefecture 1959
in Solomon Islands 3976, 6060, 7261
in South Korea 4273
in Taiwan 1961, 2247, 2801
in Tamil Nadu 1964, 4851
in Thailand 2347
resistance to 288, 723, 1964, 2814–2815, 4855–4856, 5515, 7259
- Nymphula* spp. on, in Hong Kong 2809
- Oligonychus* spp. on, in West Bengal 5513
- Orseolia oryzae* on
effects of fertilizers on 1962
effects of weather on 7271
galls of 4858
in Andhra Pradesh 4858
in Bangladesh 4854
in India 2799
in Indonesia 7270
in Java 1950
in Karnataka 7274
in Kerala 7271
in Madhya Pradesh 6689
in Tamil Nadu 1962, 4866, 6064
in Thailand 3596
resistance to 7274
evaluation of 7260
genetics of 7564
- Oulema oryzae* on, in Ishikawa Prefecture 2812
- Oxya* spp. on
damage caused by 1356
in Malaysia 1356
- O. intricata* on, in Taiwan 2802
- Pachydiplosis oryzae* on
in Indonesia 714
in Java 719

Rice *contd.*

- Pachytiplosis oryzae* on *contd.*
 - in Sri Lanka 536
 - resistance to 723
- Pantomorus glaucus* on, in Japan 4760
- Parnara* spp. on, in Orissa 6694
- P. ganga* on, in China 1967
- P. guttata* on, in China 1967
- P. naso* on
 - in China 1967
 - in Orissa 5510
- Pelopidas mathias* on, in India 5510
- pest control on 7267
 - in Indonesia 718
 - in Japan 1061, 3198
 - in Sri Lanka 536
 - in Thailand 6063
 - insecticides in gelatin capsules for 4273
 - root-zone insecticide applications for 3598
 - root-zone insecticide applicator for 7258
- pests of
 - assessing infestations of 2799
 - in Bangladesh 4180
 - in Karnataka 4848
 - in Nigeria 6051
 - in Papua New Guinea 4852
 - in Philippines 1953
 - in Sarawak 3973
 - in Tamil Nadu 828
 - in Tokushima Prefecture 1355
- Psalis pennatula* on 6790
 - in Punjab 6692
- Pyrilidae on 7608
- Recilia dorsalis* on
 - in Taiwan 2247
 - resistance to 5514
- rice black-streaked dwarf virus in, in Japan 826
- rice dwarf virus in
 - in Japan 826, 1970, 2808
 - in South Korea 4273
- rice giallume virus in, in Italy 7250
- rice grassy stunt virus in
 - in Kerala 2805
 - in Philippines 3598
- rice necrosis mosaic virus in, in Japan 826
- rice penyakit habang virus in, in Indonesia 3121
- rice penyakit merah virus in, in Malaysia 3121
- rice stripe virus in
 - in Hiroshima Prefecture 835
 - in Japan 826, 1359
 - in South Korea 2188
- rice transitory yellowing virus in, in Taiwan 3121
- rice tungro virus in
 - in Indonesia 724

Rice *contd.*

- rice tungro virus in *contd.*
 - in Philippines 3121, 3598
- rice Wasei disease, causal agent in, in Japan 1960
- rice yellow dwarf disease
 - causal agent in
 - in Japan 826
 - planthopper transmission of 4275
- rice yellow orange leaf virus in, in Thailand 3121
- Rupela albinella* on, in Peru 710
- Schizotetranychus andropogoni* on, in West Bengal 5513
- Scirpophaga incertulas* on
 - assessing infestations of 7266
 - damage caused by 4270, 4849
 - in Andhra Pradesh 4861
 - in China 1968
 - in Hong Kong 2809
 - in India 7609
 - in Indonesia 7266
 - in Java 1950
 - in Kashmir 3599
 - in Kwangtung Province 2811
 - in Malaya 4849, 7269
 - in Orissa 5512, 6694
 - in Tamil Nadu 4857
 - resistance to 4846, 4857
- Scotinophara coarctata* on
 - damage caused by 4859
 - in Malaya 4853
- Sesamia calamistis* on, in Nigeria 4860, 7273
- S. inferens* on, resistance to 6066
- Sitophilus oryzae* on 6229
- Sitotroga cerealella* on 6229
- Sogatella furcifera* on
 - assessing infestations of 6693
 - development of 5755
 - in Delhi 6693
 - in Himachal Pradesh 4863
 - in Japan 287, 1954, 6688, 7612
 - in Kyushu 7255
 - in Madhya Pradesh 7264
 - in Malaya 4865
 - in South Korea 4273
 - in Thailand 2347
- Sogatodes orizicola* on, in Peru 710
- Spodoptera mauritia* on 717
 - in Sarawak 1302
 - resistance to 723
- stem borers on 1958
 - damage caused by 4854
 - in Asia 3843
 - in Bangladesh 4854
 - in Indonesia 714, 716
 - in Java 719
 - in Orissa 1357
 - in Pakistan 7267
 - resistance to 1357
- Telicota ohara* on, in India 5510

Rice contd.

- Tetraneura radicola* on damage caused by 6695
in Karnataka 6695
- Trigonotylus coelestialium* on damage caused by 2810
in Hokkaido Prefecture 2810
- Tryporyza* spp. on, resistance to 723
- T. incertulas* on forecasting infestations of 720
in India 2799
in Indonesia 715
in Java 720
in Orissa 1357
resistance to 1357, 6066
- T. innotata* on
in Java 1950
resistance to 6066
- yield losses in, assessment of 2799

Rice black rot, caused by *Trigonotylus coelestialium* 2810**Rice black-streaked dwarf virus**
in

- Laodelphax striatella*, transmission of 826
rice, in Japan 826

Rice bran

- diet component for, *Spodoptera littoralis* 668
- Martianus dermestoides* in, development of 3090

Rice dwarf virus

- control of, vector control for 4273
- epidemiology of, computer simulation of 2808
- in

- Nephotettix cincticeps*
in Japan 1970, 6058
transmission of 826, 1970, 2808
- rice
in Japan 826, 1970, 2808
in South Korea 4273

Rice-fields

- Achaearanea tepidariorum* in, in Nagasaki Prefecture 2718
- arthropods in
in Hong Kong 3172
in Philippines 3172
in Thailand 3172
traps for 3173
- beneficial arthropods in
effects of insecticides on 710
in Peru 710
- Carabidae in, effects of pesticides on 1358
- Cyrtorhinus lividipennis* in, effects of insecticides on 7261
- diazinon in, persistence of 4845
- Gryllidae in, effects of pesticides on 1358
- insects in, in Tokushima Prefecture 1354–1355

Rice-fields contd.

- organochlorine insecticides in, residues of 4577
- Paracentrobia* spp. in, in Thailand 2346
- Pherbina intermedia* in, in Japan 3846
- Sciomyzidae in 3843
- Sepedon plumbellus* in, in Japan 3846
- S. sphegeus* in, in Japan 3846
- spiders in
effects of chlordimeform on 7268
in Japan 834, 6065
- Trichogaster pectoralis* in, in Malaysia 1693
- Tythus chinensis* in, effects of insecticides on 7261

Rice flour

- 1,2-dibromoethane in, residues of 3484
- Oryzaephilus mercator* in, development of 1800
- pest control in, fumigants for 3484

Rice giallume virus

- in
leafhoppers, not transmitted 7250
- Leersia oryzoides*, in Italy 7250
- planthoppers, not transmitted 7250
- Rhopalosiphum padi*, transmission of 7250
- rice, in Italy 7250

Rice grassy stunt virus

- in
Nilaparvata lugens, transmission of 2805, 3598
- rice
in Kerala 2805
in Philippines 3598

Rice hulls, diet component for, *Anastrepha suspensa* 3218**Rice meal**

- Cryptolestes* spp. in, development of 3096
- pests of, in USA 3089

Rice necrosis mosaic virus, in, rice, in Japan 826**Rice penyakit habang virus**

- in
Nephotettix virescens, transmission of 3121
- rice
in Indonesia 3121
symptoms of 3121

Rice penyakit merah virus

- in
Oryza fatua
infectivity of 2189
symptoms of 2189
- O. minuta*, not infective 2189
- O. ridleyi*, not infective 2189
- rice
in Malaysia 3121
symptoms of 3121

Rice sap, *Nilaparvata lugens* feeding responses to 2496

Rice (stored grain)

- Alphitobius diaperinus* in 6314
- Corcyra cephalonica* in, *Fusarium* infection promoting growth of 4436
- insect damage to, effects of species composition on 5050
- insecticides in, determination of 1827
- insects associated with, in Maharashtra 1549
- Oryzaephilus mercator* in, development of 114
- pest control in
 - inert atmospheres for 6303
 - pirimiphos-methyl for 6295
 - plant products for 937
- phosphine in, adsorption of 2167
- Rhyzopertha dominica* in, in India 3783
- Sitophilus oryzae* in 717, 6229
 - in India 3783
- Sitotroga cerealella* in 6229
 - control of 6866
 - in Bangladesh 5711
 - in India 3783
 - in Orissa 1675
 - penetration of grain by 693
 - susceptibility to 1559
- storage conditions for 6874
- Tribolium castaneum* in
 - development of, effects of prey availability on 3407
 - Fusarium* infection promoting growth of 4436
 - in Louisiana 1673
 - in Texas 1673

Rice stripe virus

- control of, vector control for 835
- hosts of 2188
- in
 - Laodelphax striatella*
 - in Hiroshima Prefecture 835
 - in Japan 1359
 - in South Korea 2188
 - transmission of 826, 835, 1359, 2188
- rice
 - in Hiroshima Prefecture 835
 - in Japan 826, 1359

Rice swamps, insecticides in, non-target effects of 1044**Rice transitory yellowing virus**

- in
 - rice
 - in Taiwan 3121
 - symptoms of 3121

Rice tungro virus

- in
 - Nephotettix virescens*
 - in Indonesia 724
 - transmission of 724, 3598, 4276, 6877
- rice
 - in Indonesia 724
 - in Philippines 3121, 3598

Rice tungro virus contd.

- in contd.
- rice contd.
- symptoms of 3121

Rice waika virus

- in
 - Nephotettix cincticeps*, transmission of 5516
 - N. nigropictus*, transmission of 5516
 - N. virescens*, transmission of 5516

Rice Waisei disease

- causal agent
- in
 - Nephotettix cincticeps*
 - in Japan 1960
 - transmission of 1960
 - rice, in Japan 1960

Rice yellow dwarf disease

- causal agent
- in
 - Nephotettix cincticeps*, transmission of 826, 4275
- rice
 - in Japan 826
 - planthopper transmission of 4275

Rice yellow orange leaf virus

- in
 - Nephotettix virescens*, transmission of 3121
- rice
 - in Thailand 3121
 - symptoms of 3121

richardsi*, *Uroleucon*, (*Dactynotus*)**richteri*, *Solenopsis******ricini*, *Attacus* (see *Samia cynthia ricini*)*****ricini*, *Pericallia******ricini*, *Philosamia* (see *Samia cynthia ricini*)*****ricini*, *Samia cynthia******Ricinus communis***

- Achaea janata* on 3349, 4037
 - in Andhra Pradesh 2978
 - in Karnataka 4474
 - in Tamil Nadu 885
 - rearing of 5926
- Agrotis ipsilon* on 3348
 - development of 4553
- Amrasca devastans* on
 - development of 157
 - orientation and feeding response of 1808
 - orientational responses of 4121-4122
- Anidiella simplex* on, in Tamil Nadu 1847
- Dasychira mendosa* on, in Tamil Nadu 5070
- Dichocrocis punctiferalis* on 4076
 - in Tamil Nadu 885
- Empoasca citrura* on, in South Africa 1430
- E. kerri* on, development of 157
- Euproctis fraterna* on
 - feeding preferences of 4653

Ricinus communis* contd.Euproctis fraterna* on *contd.*

in Punjab 4653

Heliothis armigera on, effects of plant growth regulators on 6424*H. zea* on, development of 4184*Margaritia sticticalis* on, in Ukraine 5402
minerals in 5276*Pantomorus glaucus* on, in Brazil 4760*Pericallia ricini* on, in Kerala 950

pests of, in Malawi 7685

Ptyelus sexvittatus on 2371*Samia cynthia* on

development of 4690

effects of fertilizers on 4031, 4930

feeding by 4655, 5277

Sibine nesea on, in Brazil 3696*Spodoptera littoralis* on 3171, 3267

development of 622, 668, 3439, 3466, 5254

effects of plant growth regulators on 5767

feeding by 3403

rearing of 895

susceptibility to growth regulators of 4671

S. litura on 1112, 3349

development of 4785

in Tamil Nadu 885–886

rearing of 1239, 6327

sugars in 5276

Tiracolia plagiata on, in Papua New Guinea 4989*Trabala vishnou* on, in Karnataka 158*Trialeurodes rara* on

in Tamil Nadu 2078

resistance to 2078

***Ricinus communis* pollen**

diet component for

Amblyseius gossipi 4799*Phytoseius plumifer* 2720, 4799***ricinus*, *Tetranychus*****Rickettsiaceae**

in

Diprion pini, in Yugoslavia 480*Eurygaster integriceps*, pathogenicity of, effects of temperature on 6351

grapevine 7481

Heteronychus arator, in New Zealand 3134*Rickettsiella cetonidarum*, serology of 3825*Rickettsiella grylli*, serology of 3825*Rickettsiella melolonthae*, serology of 3825*Rickettsiella tipulae*, serology of 3825*riehmi*, *Therioaphis**rigidae*, *Mayetiola**rigidana*, *Rhyacionia**rileyi*, *Eulachnus**rimosa*, *Okanagana**ringisi*, *Tegolophus**riparia*, *Labidura**riparius*, *Chironomus****riparius*, *Hypnoidus******Riptortus dentipes***

description of 6158

in Nigeria 6158

life history of 6158

on *Vigna unguiculata*, in Nigeria 6158***Riptortus linearis***

control of, insecticides for 717

in Malaysia 861

on *Phaseolus aureus*, in Malaysia 861

on soy bean 717, 722

resistance to 723

rearing of, techniques for 722

Riptortus tenuicornis

in Sierra Leone 833

on rice, in Sierra Leone 833

Risella 17 oil (see Oil, mineral)***Risophilus atricapillus*** (see *Demetrias*)**River sediments**, organochlorine insecticides in, residues of 2302**Rivers**

aldrin in, residues of 5787

BHC in, residues of 5787

DDT in, residues of 2645

dieldrin in, residues of 5787, 7671

RNA (see Ribonucleic acids)**RNA polymerase** (see

Nucleotidyltransferase, ribonucleate)

Ro 6-9550 (see 2,6-Nonadienoic acid, 7-

ethyl-9-(3-ethyl-3-methyloxiranyl)-3-

methyl-, methyl ester)

Ro 10-3108 (see Oxirane, 2-ethyl-3-[3-ethyl-5-(4-ethylphenoxy)pentyl]-2-methyl-)**Ro 20-3600** (see 1,3-Benzodioxole, 5-[[5-(3-ethyl-3-methyloxiranyl)-3-methyl-2-pentenyl]oxy]-, (E)-)***Robinia pseudacacia****Lymantria dispar* on, in Romania 2141*Sitona crinitus* on, in Ukraine 7350*S. lineatus* on, in Ukraine 7350***robiniae*, *Prionoxystus******roborana*, *Epiblema******roborator*, *Ephialtes*, (*Exeristes*)*****robusta*, *Perniphora******robusta*, *Stiphra******robustus*, *Kakothrips*** (see *K. pisivorus*)**Rock phosphate**, against, *Callosobruchus chinensis* 3800***roddi*, *Bruchophagus*****Rodenticides**, research on 6950**Rodents**, mirex in, residues of 7665**Rodia** (see Protein hydrolysate)***Rodolia***, rearing of, techniques for 6017***Rodolia cardinalis***, preying on, *Icerya purchasi* 767***Rodolia fumida***

in India 818

parasitised by

Coruna orientalis, in India 818*Homalotylus faminus*, in India 818preying on, *Icerya pilosa*, in India 818

- Rodriguez Island**, *Opogona sacchari* in 6201
- roelofsi**, *Alcidodes* (see *A. waltoni*)
- Rogas**, parasitising, *Pygaera anastomosis*, in Pakistan 3758
- Rogas gossypii**
biology of 2708
descriptions of 2707
in Peru 2708
parasitised by
 Brachymeria spp., in Peru 2708
 Isdromas spp., in Peru 2708
parasitising
 Anomis texana
 and biological control using, in Peru 2707
 in Peru 2708
rearing of, techniques for 2707
- Rogas nolphanae**
in USA 1916
parasitising, *Plathypena scabra*, in Iowa 1916
- Rogas tristis**
descriptions of 6623
hosts of 6623
in Italy 6623
parasitising, *Ostrinia nubilalis*, in Italy 6623
- rogatalis**, *Hellula*
- rogersii**, *Acyrtosiphon pelargonii*
- Rogor** (see Dimethoate)
- rollovi**, *Oligonychus* (see *O. ununguis*)
- Romalea microptera**, defensive secretion of 5868
- Romania**
Aelia spp. in, on wheat 6917
Anthonomus commutatus in 7013
aphids in 976
Apion apricans in, on *Trifolium* 842–843
A. trifolii in, on *Trifolium* 842–843
Braconidae in 2634
Bryobia rubrioculus in, on apple 847
Diptera in, on grain crops 2769
Etainia sericopeza in, on *Acer* 2624
E. splendarni in, on *Acer* 2624
Eurygaster spp. in
 in forests 6671
 on grain crops 273
 on wheat 2783, 6917
E. austriaca in 4255
E. integriceps in 998
 on wheat 4255
E. maura in 4255
Haplothrips tritici in, on wheat 1348, 6917
hop in
 insect pests of 6662
 pest control on 6662
legumes in, pests of 1980
lucerne in, pests of 2842
Lymantria dispar in, natural enemies of 2141, 2206
- Romania contd.**
Macrosiphum avenae in, on wheat 6917
Ostrinia nubilalis in 4716
 on maize 1353, 2795–2796
Panonychus ulmi in, on apple 847
Schizaphis graminum in 2508
 on sorghum 1362, 1972, 2821, 4278, 5519, 6697
 on *Sorghum halepense* 2821
Semiothisa clathrata in, on lucerne 6705
Sphenoptera jugoslavica in, on *Centaurea diffusa* 6029
Symphyta in 2631
Tanymericus dilaticollis in, on maize 26, 1350, 2515
Telenomus spp. in 2629
Tetranychus urticae in 976, 1027
T. viennensis in, on apple 847
Tipulidae in 4713
Trissolcus spp. in 2629
Yponomeuta rorellus in, natural enemies of 7421
Zabrus tenebrioides in, natural enemies of 6027
- Rondaniooestrus apivorus**
in South Africa 5954
pest of honeybee, in South Africa 5954
- Ronnel** (see Fenchlorphos)
- Root crops**
insect pests of, in Finland 6592
pests of, in Poland 1463
- Roptrocerus eccoptogastri**
in USA 1273
parasitising, *Ips* spp., in Georgia (USA) 1273
- Roptrocerus xylophagorum**
in USSR 6627
parasitising, bark beetles, in USSR 6627
- roralis**, *Pipunculus*
- rorellus**, *Yponomeuta*
- Rosa**
Acleris latifasciana on, in Yugoslavia 4591
Acyrtosiphon porosum on, in Chile 3356
Eulecanium tiliae on, in Armenia 7307
Macrosiphum fragariae on, in West Germany 1610
Megastigmus aculeatus on 4239
Rhodococcus bulgariensis on, in Hungary 7004
R. rosaeluteae on, in Central Asia 7004
- rosa**, *Bergallia*
- Rosa canina**
Diplolepis mayri on, in USSR 7209
Euproctis similis on, in Yugoslavia 5739
Megastigmus aculeatus on, in Austria 4239
- rosa**, *Ceratitidis*
- Rosa chinensis**, *Tetranychus shanghaiensis* on, in China 1851

- Rosa hirtula*, *Hedya walsinghami* on, in Japan 560
- Rosa indica*, *Ophiusa tirhaca* on, in Rajasthan 3516
- Rosa multiflora*
Hedya walsinghami on, in Japan 560
Lymantria dispar on 2193
- Rosa odorata*, *Panonychus ulmi* on, rearing of 4726
- Rosa rugosa*
Archips podanus on, in Poland 406
Ardis brunniventris on damage caused by 2655
in Netherlands 2655
Croesia bergmanniana on, in Poland 406
- Rosaceae**
Archips rosanus on, in Greece 4913
Tetranychus turkestanii on 1927
thrips on, in Himachal Pradesh 7028
- rosaceana*, *Choristoneura*
- rosae*, *Aphidius*
- rosae*, *Arge*
- rosae*, *Eurytoma*
- rosae*, *Macrosiphum*
- rosae*, *Psila*
- rosaeluteae*, *Rhodococcus*
- rosanus*, *Archips*
- rosarum*, *Myzaphis*
- Rose**
Acyrtosiphon dirhodum on, in Northern Ireland 5978
A. porosum on, in São Tomé 4208
Aleurocanthus spiniferus on, in Hawaii 2667
aphids on, in Peru 696
Brevipalpus phoenicis on, in India 2981
Diplolepis mayri on, in USSR 7209
Epiblema roborana on, in Poland 406
Hedya ochroleucana on, in Poland 406
insects on, in Iraq 4397
Macrosiphum euphorbiae on, in Northern Ireland 5978
- M. rosae* on
in Bulgaria 1499, 1504
in Northern Ireland 5978
in Tamil Nadu 3024
- Myzaphis rosarum* on, in Northern Ireland 5978
- Myzus persicae* on, in England 3939
- Pandemis cerasana* on, in Poland 406
- Phalera bucephala* on 6734
- Rhipiphorotherips cruentatus* on, in Punjab 6639
- Spodoptera litura* on, in Tamil Nadu 3730
- Symphyla on, in Poland 1503
- Tetranychidae on, in France 977, 3170
- Tetranychus turkestanii* on, in USSR 6102
- T. urticae* on
in England 3939
in Netherlands 505, 4075, 4546
- Rose contd.**
Tetranychus urticae on contd.
in USSR 6651
- Wahlgreniella nervata* on, in England 5409
- Rose apple** (see *Syzygium jambas*)
- Rose bengal**
in *Anthonomus grandis*, toxicity of 4119
in *Solenopsis richteri*, toxicity and photooxidation of 3535
- Rose, dog** (see *Rosa canina*)
- roseipennis*, *Nabis* (*Reduvius*)
- Roselle** (*Hibiscus sabdariffa*)
Maconellicoccus hirsutus on, in Andhra Pradesh 4973
- roseni*, *Aphytis*
- roseni*, *Eretmocerus*
- Rosenus*, keys to 1101
- Rosenus decurvedus*
sp. n., description of 1101
in Canada 1101
on grasses, in British Columbia 1101
- Rosenus pendulus*
sp. n., description of 1101
in Canada 1101
in USA 1101
on grasses, in North America 1101
- Rosenus transarcticus*
sp. n., description of 1101
in Canada 1101
in USA 1101
on grasses, in North America 1101
- rossettonis*, *Aceria*
- rossettonis*, *Eriophyes*
- rossica*, *Barylypa*
- rostrata*, *Aelia*
- rostralamellatus*, *Humorobates*
- Rotenone**
in *Heliothis virescens*, effects on melanisation of 3342
in mouse intestine, not inhibiting active transport of glucose 1686
with pyrethrins
against
Lasioderma serricorne 1547
Trialeurodes vaporariorum 3937
- rothia*, *Strepsicrates*
- Rotifers**, in pastures, effects of insecticides on 2833
- rotundipennis*, *Lasiopsylla*
- rotundiventris*, *Schizaphis*
- rutensis*, *Pediobius* (see *P. bruchicida*)
- rouxi*, *Habrolepis*
- Rowan** (see *Sorbus aucuparia*)
- rowani*, *Telenomus*
- Royal oil** (see Oil emulsions)
- Roztoczol** (see Chlorfenson)
- RU-22950** (see Cyclopropanecarboxylic acid, 3-(2,2-dibromoethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methyl ester, (1*R*-cis)-)

- Rubber** (*Hevea brasiliensis*)
Acheta spp. on, in Malaysia 7290
Erinnyis ello on, in Brazil 3734, 4807
- Rubber plantations**, ants in, in Papua New Guinea 1270
- rubecula*, *Apanteles*
rubens, *Ceroplastes*
rubens, *Gryllus*
rubi, *Amphorophora*
rubi, *Anthonomus*
rubi, *Macrolophus*
rubicola, *Trioxys*
rubicolus, *Amblyseius*
- Rubidium**
in *Solenopsis invicta* 2697
in *Solenopsis invicta* queens 5311
- rubiginosa*, *Cassida*
rubiradicis, *Pemphigus*
rubra, *Leptura*
rubriceps, *Inopus*
rubricinctus, *Agathis*
rubricollis, *Peristenus*
rubrioculus, *Bryobia*
rubripenne, *Cataphrodidium*
rubripes, *Cerodirphia*
rubripes, *Sisyphus*
rubrocinctus, *Selenothrips*
rubrolineatus, *Leptocoris*
rubropilosa, *Atta sexdens*
rubrus, *Sisyphus*
- Rubus**
Aphis gossypii on, in Jammu and Kashmir 5233
Cenopalpus musai on, in Lebanon 7011
Macrosiphum fragariae on, in West Germany 1610
- Rubus fruticosus* (see Blackberry)
Rubus idaeus (see Raspberry)
Rubus strigosus (see Raspberry)
ruderalis, *Lipaphis*
rudis, *Ernestia*
rueppellii, *Sphaerophoria*
rufa, *Coccidula*
rufa, *Formica*
rufa, *Thaumatomyia*
rufata, *Apechthis*
rufescens, *Dalaca*
ruficapilla, *Anomala*
ruficollis, *Ibalia*
ruficollis, *Schizonychia*
ruficornis, *Phaenoglyphis*, (*Hemicrisis*)
ruficornis, *Trigonotylus*
ruficrus, *Apanteles*
rufifasciata, *Gymnoscelis*
rufifemur, *Campoplex*, (*Sinophorus*)
rufifrons, *Pseudogonia*
rufilabris, *Chrysopa*
rufipennis, *Dendroctonus*
rufipennis, *Polygraphus*
rufipes, *Agathis*, (*Microdus*)
rufipes, *Cantharis livida*
rufipes, *Harpalus*
rufipes, *Hylurgopinus*
rufipes, *Necrobia*
rufobrunnea, *Oncopera*
rufomarginata, *Edessa*
rufopicta, *Winthemia*
rufovillosum, *Xestobium*
rufulus, *Enaphalodes*
rufulus, *Longitarsus exoletus*
rufus, *Aptinotrips*
rugifrons, *Neodiprion*
ruginaria, *Pingasa*
rugipennis, *Pachyrhinadoretus*
rugosum, *Eurydema*
rugosus, *Goniozus*
rugosus, *Oxytelus*
rugulipennis, *Lygus*
(*Exolygus*)
Ruguloscolytus amygdali (see *Scolytus*)
Ruguloscolytus mediterraneus (see *Scolytus*)
Ruguloscolytus rugulosus (see *Scolytus*)
rugulosum, *Eulecanium*
rugulosus, *Scolytus*
(*Ruguloscolytus*)
- Rumex**
Agrotis ipsilon on, in New Zealand 3515
Aulacorthum solani on, development of 618
Gastrophysa atrocyanea on, development of 2753
Masonaphis rumicis on, in Uttar Pradesh 7134
tobacco vein-mottling virus in, in North Carolina 460
- Rumex brownii*, *Apion antiquum* on, development of 4241
- Rumex crispus**
Epiphyas postvittana on 4900
Gastrophysa atrocyanea on 2753
- Rumex longifolius*, *Gastrophysa atrocyanea* on, development of 2753
- Rumex obtusifolius**
Galerucella grisea on, in Japan 586
Gastrophysa atrocyanea on and biological control using 2753
in Japan 2753
natural enemies of, possible biological control using 2753
- rumicis*, *Acronicta*
(*Phaetra*)
rumicis, *Aphis*
rumicis, *Masonaphis*
Rupela albinella
control of, insecticides for 710
in Peru 710
on rice, in Peru 710
- ruralis*, *Typhlodromus*, (*Galendromus*)
ruralis, *Voria*
uricola, *Microplitis*
Rutabaga (see *Swede*)
ruticilla, *Spudaea*

Ryania

against

Cydia pomonella, on apple 2015

pests of apple 1421, 5561

in apple orchards, non-target effects of 5560

Rye (*Secale cereale*)*Aceria tulipae* on, resistance to 2779*Acyrtosiphon dirhodum* on, in Chile 688*Apamea sordens* on

forecasting infestations of 3856

in Kazakhstan 3856

Chlorops mugivora on, in Japan 5840*Cnephasia longana* on, in East Germany 4834

DDT in, residues of 5210

diseases of, in Europe 2770

Graphognathus spp. on, in Louisiana 2944*Lema gallaeciana* on

damage caused by 2773

in Poland 2772–2773

Lygus rugulipennis on, in Poland 196*Melanoplus sanguinipes* on, development of 5085*Muellerianella fairmairei* on, development of 6529*Ochsenheimeria vacuella* on, in USA 2349*Oulema melanopus* on

damage caused by 2773

in Poland 2772–2773

pests of, in Europe 2770

Prosapia bicincta on 2572*Thrips tabaci* on tobacco crops preceded by 2100**Rye (stored grain)**

arthropods in, in Yugoslavia 6853

pests of, in Taiwan 4441

Sitophilus granarius feeding responses to 5063*Tyrophagus putrescentiae* in, rearing of 6238**Ryegrass (see *Lolium*)****Ryegrass bacilliform virus**, in, grasses, in UK 4453**Ryegrass mosaic virus**

control of 4872

in

Abacarus hystris, transmission of 4872, 6703*Lolium* spp., in UK 6703*L. multiflorum*, in Wales 4872**Ryegrass spherical virus**, in, grasses, in UK 4453**S-2957** (see *Chlorthiophos*)**S-6626** (see *Quinalphos*)**S-15126** (see *Propanedinitrile*, [[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methylene]-)**Sabinene** (see *Bicyclo*[3.1.0]hexane, 4-methylene-1-(1-methylethyl)-)*sabroskyi*, *Mepachymerus**sabulona*, *Metopostigma**sabulosa*, *Ectropis**Sacadodes pyralis*

control of, insecticides for 2092

in Venezuela 2091–2092

on cotton, in Venezuela 2091–2092

saccharalis, *Diatraea**sacchari*, *Longiunguis**sacchari*, *Melanaphis**sacchari*, *Opogona**sacchari*, *Saccharicoccus*(*Trionymus*)*sacchari*, *Teleonemia**saccharicida*, *Perkinsiella**saccharicida*, *Phaenacantha**Saccharicoccus sacchari*

control of, insecticides for 817

in India 1274

in Malaysia 259

in Peru 701

in Sri Lanka 817

on sugar-cane

in Malaya 259

in Peru 701

in Sri Lanka 817

parasitised by, Encyrtidae, in Sri Lanka 817

preyed on by

Carpophilus marginellus, in Sri Lanka 817*Chilocorus nigritus*, in Maharashtra 1274*Gitonides perspicax*, in Sri Lanka 817*Millardia meltada*, in Sri Lanka 817*saccharina*, *Aeneolamia varia**saccharina*, *Eldana**sacchariphagus*, *Chilo*(*Proceras*)*saccharivora*, *Saccharosydne**Saccharomyces*, in, *Sirex noctilio* oviposition holes, attracting parasites 2216**Saccharose** (see α -D-Glucopyranoside, β -D-fructofuranosyl)*Saccharosydne saccharivora*

biology of 258

control of, insecticides for 1934

generation time in 241

in Jamaica 241

in Venezuela 1934

on *Andropogon selloanus*, development of 258on *Panicum fasciculatum*, development of 258

on sorghum, development of 258

on sugar-cane

development of 258

in Venezuela 1934

parasitised by

Anagrus flaveolus, in Jamaica 241

- Saccharosydne saccharivora** *contd.*
 parasitised by *contd.*
Stenocranophilus quadratus, in Jamaica 241
Tetrastichus spp., in Jamaica 241
 preyed on by, *Tytthus parviceps*, in Jamaica 241
- Saccharum officinarum** (see Sugar-cane)
- Saccharum spontaneum**
 ants associated with, in Papua New Guinea 1270
Diatraea saccharalis on, resistance to 266
Matsumuratettix hiroglyphicus on, development of 256
Schizotetranychus andropogoni on 5513
- Sacchiphantes** (see *Adelges*)
- Sacchiphantes abietis** (see *Adelges*)
- sachalinensis**, *Eriopeltis*
- sacharum**, *Schizotetranychus*
- saevissima**, *Solenopsis*
- Safflower** (*Carthamus tinctorius*)
Acanthophilus helianthi on, in Haryana 2080
Heliothis armigera on, in Karnataka 2983
 Reduviidae on, feeding by 1915
 Tetranychidae on, in Iran 4746
- Safflower meal**, *Tenebrio molitor* in, development of 2422
- Safidon** (see Phosmet)
- Safrole** (see 1,3-Benzodioxole, 5-(2-propenyl)-)
- Safsan**, against, *Agrotis segetum*, on potato 2965
- Sagallassa**, on oil palm, in South America 6711
- Sagallassa valida**
 control of, insecticides for 1990
 in Colombia 1990
 in Peru 1990
 on oil palm
 damage caused by 1990
 in Colombia 1990
 in Latin America 4452
 in Peru 1990
- Sage, clary** (see *Salvia sclarea*)
- Sagra nigrita**
 food preference of 3657
 in India 3657
 on *Dolichos lablab*, in Karnataka 3657
 on *Phaseolus lunatus*, in Karnataka 3657
- Sahlbergella**, on cacao, in Nigeria 3015
- Sahlbergella singularis**
 control of, insecticides for 1492
 in Ghana 6197
 on cacao
 in Ghana 6197
 in West Africa 1492
 population dynamics of 6197
- Saileria**, keys to 7012
- Saileria irrorata**
 sp. nov., description of 7012
 in USA 7012
 preying on, *Eriosoma americanum*, in Indiana 7012
- Sainfoin** (see *Onobrychis viciifolia*)
- St. Helena**, *Opogona sacchari* in 6201
- St. John's wort** (see *Hypericum crispum*)
- Saintpaulia ionantha**, *Hyalomyzus* spp. on, in Maryland 2117
- Saissetia**, parasitised by, *Microterys annekei*, in South Africa 3991
- Saissetia coffeae**
 biology of 7405
 control of 7405
 growth regulators for 410, 3729
 insecticides for 3729, 6802
 in India 7405
 in USA 410, 6802
 on *Aphelandra squarrosa* 3729
 in Florida 6802
 on coffee, in India 7405
 on ornamental plants, in Florida 410
 parasites of
 effects of growth regulators on 3729
 effects of insecticides on 3729
 parasitised by, *Encyrtus infelix* 3729
- Saissetia nigra** (see *Parasaissetia*)
- Saissetia oculata**, taxonomy of, *Trijuba* erected for 3992
- Saissetia oleae**
 biology of 5109, 5587, 6122
 bivoltinism in 7324
 control of, insecticides for 1643, 2897, 5587
 development in 2469
 in Australia 225
 in France 2722, 5108
 in Greece 5103, 6130, 6135, 6626
 in Iran 5587, 6023
 in Israel 7324
 in Italy 1643, 5106
 in Spain 3641
 in Tunisia 5109
 in Turkey 5105, 6122
 in USA 2897
 life history of 5105
 mortality in 3641
 on *Carduus pycnocephalus*, in Greece 6626
 on *Carlina corymbosa*, in Greece 6626
 on *Citrus*
 in Corsica 5108
 in Crete 6130
 in France 2722
 in Greece 5103
 in Israel 7324
 in Italy 5106
 in Turkey 5105, 6122
 on *Citrus limonia*
 distribution pattern of 5109
 in Tunisia 5109

***Saissetia oleae* contd.**

- on *Duboisia leiccharidia*, in Queensland 225
- on *Duboisia myoporoides*, in Queensland 225
- on *Eryngium campestre*, in Greece 6626
- on myrtle, in France 2722
- on *Nerium oleander*, in Spain 3641
- on olive
 - in Crete 6130
 - in France 2722
 - in Greece 5103, 6135, 6626
 - in Iran 5587
 - in Italy 1643
 - in Spain 3641
- on orange
 - damage caused by 4328
 - in Florida 2897
- on potato, development of 2469
- on white heather, in France 2722
- parasites of
 - effects of insecticides on 1643, 6135
 - rearing of 6129
- parasitised by
 - Chalcidoidea, in Iran 6023
 - Coccophagus lycimnia*, in Spain 3641
 - Metaphycus flavus*, in Crete 6130
 - M. helvolus*
 - and biological control using
 - in Corsica 5108
 - in Crete 6130
 - in Greece 5103
 - in Italy 5106
 - in Greece 6135
 - M. lounsburyi*
 - in Crete 6130
 - in Greece 6626
 - in Queensland 225
 - Myiocnema comperei*, in Queensland 225
 - Scutellista cyanea*
 - in Greece 6135, 6626
 - in Italy 1643
 - in Queensland 225
 - in Spain 3641
 - in Tunisia 5109
 - in Turkey 5105
- predators of
 - effects of insecticides on 1643, 2897, 6135
 - in Italy 1643
- preyed on by
 - Chilocorus bipustulatus*, in Greece 6135
 - Coccinellidae, in Iran 6023
 - Cybocephalus micans* 2721
 - Eublema scitula*, in France 2722
 - Exochomus quadripustulatus*
 - in Greece 6135
 - in Turkey 5105
 - Neuroptera, in Iran 6023
 - Nitidulidae, in Iran 6023

***Saissetia oleae* contd.**

- preyed on by *contd.*
 - Scutellista cyanea*
 - in Florida 2897
 - in Greece 6626
- tended by
 - Crematogaster scutellaris*, in France 2722
 - Iridomyrmex humilis*, in France 2722
 - Verticillium lecanii* in
 - in Iran 6023
 - in Turkey 6122
- sakaguchii*, *Enicospilus saliciradicis*, *Pemphigus salicis*, *Chionaspis salicis*, *Leucoma*, (*Stilpnolia*) *salicis*, *Otiiorhynchus*
- Salicylic acid (see Benzoic acid, 2-hydroxy-)
- salignae*, *Pauesia salina*, *Artemia*
- Salina celebensis*
 - control of, insecticides for 903
 - in Papua New Guinea 903
 - on cacao, in Papua New Guinea 903
- salinus*, *Macrosteles salisburyensis*, *Sphaeraspis*
- Salithion (see 4H1,3,2-Benzodioxaphosphorin, 2-methoxy-, 2-sulfide)
- Salix**
 - Acleris latifasciana* on, in Yugoslavia 4591
 - Aegorhinus phaleratus* on, in Chile 686
 - Cavariella* spp. on 6624
 - C. aquatica* on, in Himachal Pradesh 7135
 - Ceresa bubalus* on, in Czechoslovakia 4152
 - Chaitophoridae on, in Switzerland 3373
 - Cnephasia interjectana* on, in Austria 4405
 - Cossus cossus* on, in Bulgaria 420
 - Dorytomus* spp. on, in USSR 7023
 - Ennomos quercinaria* on, in Norway 117
 - Hemichroa crocea* on 5227
 - Lepidosaphes ulmi* on, in Ukraine 6721
 - Leucoma salicis* on
 - in District of Columbia 1720
 - in Kazakhstan 5836
 - Lymantria dispar* on, in Romania 2141
 - Mayetiola rigidae* on, in Maryland 3026
 - Monosteira unicastata* on, in Yugoslavia 430
 - Oncometopia alpha* on, in Arizona 2375
 - Phalera bucephala* on 6734
 - Trichiocampus irregularis* on 910
 - Yponomeuta rorellus* on
 - in Netherlands 5226
 - in Ukraine 6818
- Salix alba**
 - Cavariella aegopodii* on, in UK 876
 - Nematus miliaris* on 415

Subject Index

***Salix alba* contd.**

- Yponomeuta rorellus* on, in Romania 7421

***Salix amygdalina*, *Nematus miliaris* on** 415

***Salix babylonica*, aphids on, in Peru** 696

Salix caprea

Mayetiola rigidae on, in Maryland 3026

Nematus miliaris on 415

***Salix daphnoides*, *Nematus miliaris* on** 415

***Salix elegantissima*, *Nematus miliaris* on** 415

***Salix fragilis*, *Cavariella aegopodii* on, in UK** 876

***Salix repens*, *Nematus miliaris* on** 415

***Salix viminalis*, *Lepyrus palustris* on, in Poland** 4618

***Salmaalial malabarica*, *Coptotermes heimi* on, susceptibility to** 3561

salmianus*, *Dactylopius

***Salmo*, fenitrothion in, effects on production of** 5816

Salmo gairdneri

chlorinated biphenyls in, residues of 6411

DDE in, residues of 6409

DDT in, residues of 6411

fenitrothion in

effects on serum chemistry of 915

residues of 915

Salsify, black (see *Scorzonera hispanica*)

Salsola iberica

Coleophora parthenica on, and biological control using, in USA 2758

Neotalitrus tenellus on, in USA 2758

***Salsola leptoclada*, *Conorhynchus hololeucus* on, in Turkmenia** 6755

saltator*, *Apomecyna**Saltatoria**

biology of 4878

cages for 1859

control of

baits for 7174

insecticides for 2657, 7290

Nosema locustae for 473

testing insecticides for 698

digestive enzymes in 5866

distribution of, changes in 2621

in Turkey 4141

in grassland

in Colorado 4878

in New Zealand 1833, 2272

in Wyoming 4878

migration of, in Nigeria 5424

on food crops, damage caused by 725

on oil palm, in Malaysia 7290

on tobacco, in Queensland 6193

rearing of, techniques for 5416

Saltbush (see *Atriplex patula*)

Salticidae

in *Trifolium* fields, in Egypt 5412

preying on

Nilaparvata lugens, in India 4864

Salticidae contd.

preying on contd.

Thecodiplosis japonensis, in South Korea 3488

rearing of, techniques for 4864

Salts

diet component for

Diparopsis castanea 1840

Eurygaster integriceps 5388

Salvelinus namaycush

chlorinated biphenyls in, residues of 6411

DDT in, residues of 6411

Salvia officinalis

Eupteryx atropunctata on, in Poland 1335

E. collina on, in Poland 1335

E. origani on, in Poland 1335

E. stachydearum on, in Poland 1335

oviposition deterrence of extracts of 7338

***Salvia sclarea*, *Macdunnoughia confusa* on, in Bulgaria** 4246

salviae*, *Donus

***Samanea saman* (see *Pithecolobium*)**

Samarium chloride (SmCl_3), marker for, *Rhagoletis cerasi* 4172

sambuci*, *Aphis***Sambucus***

Macrophya albicincta on, in France 6428

M. alboannulata on, in France 6428

M. crassula on, in France 6428

M. ribis on, in France 6428

***Sambucus canadensis*, *Hylobius pales* on, antifeedants for** 1520

Sambucus nigra

Agelastica alni on, in Netherlands 3960

oviposition deterrence of extracts of 7338

Samia cynthia

enzymes in 587, 5888

flight muscles in, development of catabolic pathways in 587

Samia cynthia ricini

biology of 4690

ecdysial glands in 2360

feeding behaviour in, effects of photoperiod on 4655

nervous system in 2430

neurohaemal organs in 1769

nutrition of 5276

on *Ricinus communis*

development of 4690

effects of fertilizers on 4030-4031

feeding by 4655, 5277

parasitised by, *Anastatus* spp. 2901

***Samia ricini* (see *S. cynthia ricini*)**

Sampsonius

biology of 5692

in forests, in Brazil 5692

- SAN I 52139** (see 2-Butenoic acid, 3-
[[[(ethylamino)methoxyphosphinothioyl]o-
xyl]-, 1-methylethyl ester, (E)-)
sanborni, *Macrosiphoniella*
sanchezi, *Gargaphia*
- Sandoz 155 I** (see 1,2,3-Trithian-5-amine,
N,N-dimethyl-, ethanedioate (1:1))
- Sandoz 52125** (see Phosphoramidic acid,
methyl-, 2-(diethylamino)-6-methyl ester)
sanguinea, *Cycloneda*
sanguinea, *Formica*, (*Raptiformica*)
sanguinipes, *Melanoplus*
sanguiniventris, *Spilochalcis*
sangwani, *Neodusmetia*
Sannhemp (see *Crotalaria juncea*)
Sanninoidea exitiosa (see *Aegeria*)
Sansevieria laurentii
Opogona sacchari on
damage caused by 6201
in Italy 6201
- Sansevieria trifasciata*
Opogona sacchari on
damage caused by 4992
imported into Italy 4992
- santonensis*, *Reticulitermes lucifugus*
São Tomé
Abgrallaspis palmae in, on coconut 2846
aphids in 4208
Aspidiotus destructor in, on coconut
2846
Pinnaspis buxi in, on coconut 2846
Vinsonia stellifera in, on coconut 2846
- Saperda** *carcharias*
control of, insecticides for 2264
in Italy 2264
in Poland 1522
on *Populus*, in Italy 2264
on *Populus tremula*
damage caused by 1522
in Poland 1522
parasites of, effects of insecticides on
2264
parasitised by, *Euderus caudatus*, in Italy
2264
- Saperda scalaris*
in Poland 6813
on *Quercus robur*, in Poland 6813
- Sapodilla** (see *Achras zapota*)
- Sapogenins**, in lucerne, role in fungal
resistance of 308
- Saponins**, in lucerne, role in pest resistance
of 308, 1713
- sappaphis*, *Aclitus*
Sappaphis piri
in Japan 1096
on *Artemisia princeps*, in Japan 1096
on pear, in Japan 1096
parasitised by, *Aclitus sappaphis*, in Japan
1096
- sapphirina*, *Baccha*
Saprol (see Triforine)
- saratogensis*, *Aphrophora*
sarawakana, *Clovicia*
Sarcina, in, *Galleria mellonella* gut 7066
sarcitorius, *Apanteles* (see *A. carpatus*)
sarcitorius, *Ichneumon*
Sarcodexia sternodontis
in Colombia 3540
parasitising, *Caligo* spp., in Colombia
3540
- Sarcophaga**
parasitising
Acherontia styx, in Rajasthan 1890
Caligo spp., in Colombia 3540
Calisto pulchella, in Dominican
Republic 7224
Diacrisia obliqua, in Madhya Pradesh
6641
Manduca sexta, in Colombia 3540
Sarcophaga argyrostoma, parasitised by,
Nasonia vitripennis 1811
- Sarcophaga bullata*
juvenile hormone in, effects of steroid
synthesis inhibitors on 5883
moulting hormones in, effects of steroid
synthesis inhibitors on 5883
- Sarcophaga crassipalpis*, farnesane
derivatives in, growth-regulator activity
of 6938-6939
- Sarcophaga misera*
in India 6641
parasitising, *Diacrisia obliqua*, in Madhya
Pradesh 6641
- Sarcophaga nigriventris*
in UK 7195
parasitising
Helicella caperata, in England 7195
H. virgata, in England 7195
- Sarcophaga sarcacenioides*
in USA 153
parasitising, *Bothynus gibbosus*, in Texas
153
- Sarcophagidae**
Borrelinavirus reprimens in, effects of
1878
parasitising
Bombinae, in Ontario 6003
Dasychira albobdentata, in USSR 1875
Lasiocampidae, in USSR 1874
Lymantria dispar, in Romania 2206
L. monacha, in USSR 1878
Lymantriidae, in USSR 1874
Mocis spp., in Florida 4283
- sardoa*, *Lecanodiaspis*
sarmatica, *Sphaerophoria*
sarnicus, *Anthrenus*
Sarolex (see Diazinon)
- sarracenioides*, *Sarcophaga*
Sasa
Acanthococcus sasae on, in Kurile Islands
550
Antonina crawi on, in Kurile Islands
550
sasae, *Acanthococcus*

Subject Index

sasae, Microterys**sasakii, Hydrellia****Saskatchewan***Camnula pellucida* in 1251

forest pests in 5673

grasshoppers in 7173

Laevicephalus saskatchewanensis in, on
grasses 1101*Mamestra configurata* in, on rape 2916*Melanoplus sanguinipes* in 1251

on wheat 823

Palus beirnei in, on grasses 1101

stored grain in, pests of 1551

saskatchewanensis, Laevicephalus**Sathrobrotia simplex**

in Egypt 4836

in India 393

on cotton, in Punjab 393

on maize, in Egypt 4836

seasonal abundance of 4836

satilla, Flexamia**sativae, Liriomyza****saturatorius, Vulgichneumon,**

(Barichneumon)

Satureia hortensis, insect pollinators of, in

Egypt 2765

Saturn yellow, for marking spray deposits
3952**Saturnia pyri**, enzymes in 5888**Satyridae**, in Hispaniola 7224**saucia, Peridroma****saundersi, Lygus****Sausage**, diet component for, Staphylinidae
1219**sauteri, Eumicromus****sauteri, Sepedon****Savanna***Dysdercus voelkeri* in, in Ivory Coast
2503Isoptera in, effects of clearing and grazing
on 2600**Savanna, eucalypt***Anoplolepis longipes* in, in Papua New
Guinea 1270*Iridomyrmex cordatus* in, in Papua New
Guinea 1270*Odontomachus simillimus* in, in Papua
New Guinea 1270*Polyrhachis* spp. in, in Papua New Guinea
1270**Savol** (see Oil emulsions)**Sawdust**

diet component for

Cydia pomonella 3253*Diatraea saccharalis* 6577*Heliothis zea* 6577*Mastotermes darwiniensis* 2737*Oryctes rhinoceros* 5929**Sawfly** (see Symphyta)**saxeseni, Xyleborus**

(Xyleborinus)

saxesenii, Pristiphora**Saxifraga catalaurica, Pseudococcus***obscurus* on, in England 2111**Saxifraga grisebachii, Pseudococcus***obscurus* on, in England 2111**Saxifraga hostii, Pseudococcus obscurus** on,
in England 2111**Saxifraga longifolia, Pseudococcus obscurus**
on, in England 2111**Saxifraga longifolia** × *S. ligulata*,
Pseudococcus obscurus on, in England
2111**saxonica, Dolichovespula**

Sayfos (see Menazon)

sayi, Curculio**sayi, Xyleborus****sayii, Orussus**

SBP-1382 (see Resmethrin)

scaber, Porcellio**scabiei, Phyxia****scabra, Plathypena****scabriculus, Norbanus****scabripennis, Octotoma****scabriventris, Opilus****Scadra annulipes**

in India 6641

preying on, *Diacrisia obliqua*, in Madhya
Pradesh 6641**Scaeva pyrastris**

in Poland 185-186

in USA 5528

preying on

Acyrtosiphon pisum, in California
5528

aphids, in Poland 185

Aphis fabae, in Poland 186*A. sambuci*, in Poland 186*Macrosiphum rosae*, in Poland 186*Therioaphis trifolii*, in California 5528**scalaris, Fannia****scalaris, Oxyopes****scalaris, Saperda****Scale insect** (see Coccoidea)**Scambus**, parasitising, *Hoplocampoides*
xylostei, in West Germany 1925**Scambus coniferarum**

sp. nov., description of 1094

in Japan 1094

parasitising

Archips similis, in Japan 1094*Cephaloglypta murinanae*, in Japan
1094*Ptycholoma pulchra*, in Japan 1094*Ptycholomoides aeriferanus*, in Japan
1094**Scambus kamijoi**

sp. nov., description of 1094

in Japan 1094

parasitising

Archips similis, in Japan 1094*Ptycholoma pulchra*, in Japan 1094**Scambus vulgaris**

sp. nov., description of 1094

***Scambus vulgaris* contd.**

- in Japan 1094
- parasitising, *Rhyacionia simulata*, in Japan 1094

Scapanes

- control of 3976
- on coconut, in Solomon Islands 3976

Scaphoideus*, in South Africa 13**Scaphoideus densus*, in USA 5920*****Scaphoideus incisus*, in USA 5920*****Scaphoideus littoralis***

- grapevine flavescence dorée disease, causal agent in, transmission of 7293, 7481
- in France 7481
- in Italy 7293, 7481
- on grapevine
- in France 7481
- in Italy 7293, 7481

Scaphytopius acutus

- in USA 309, 331
- on lucerne
- in Nebraska 309
- non-target effects of insecticides on 309
- on peach, in Michigan 331
- on *Prunus cerasus*, in Michigan 331
- peach X-disease, causal agent in, transmission of 331

Scaphytopius acutus acutus

- in Canada 2332
- in USA 2332
- taxonomy of 2332

Scaphytopius acutus cirrus

- subsp. nov., description of 2332
- in Canada 2332
- in USA 2332

Scaphytopius acutus delongi

- in USA 2332
- taxonomy of 2332

Scaphytopius acutus tenuis

- in Canada 2332
- in USA 2332
- taxonomy of 2332

Scaphytopius nitridus

- in USA 3118
- on *Citrus*, in California 3118
- Spiroplasma citri* in, transmission of 3118, 5722

Scapteriscus aetetus

- control of
- baits for 7280
- insecticides for 1868
- flight activity in 1796
- in USA 1796, 1868, 7280
- in pastures, in Florida 7280
- in turf, in Florida 1796
- song of 6468
- traps for 1796

Scapteriscus vicinus

- control of
- baits for 7280
- insecticides for 1868

***Scapteriscus vicinus* contd.**

- flight activity in 1796
- in USA 1796, 1868, 7280
- in pastures, in Florida 7280
- in turf, in Florida 1796
- song of 6468
- traps for 1796

Scaptomyza flaveola

- in Poland 1443
- on cabbage, in Poland 1443

Scarabaeidae

- in grassland, in Japan 177
- on rice, in Papua New Guinea 4852
- on sugar-cane, in Guadeloupe 4825
- on sunflower, in Yugoslavia 4972
- parasitised by, *Tiphia* spp., in India 3369

Scarabaeinae, in Ethiopian region 4005**Scarabaeoidea**

- on sugar-cane, in South Africa 265
- preyed on by
- Barypus clivinoides*, in Argentina 774
- Ceroglossus valdiviae*, in Argentina 774
- Cnemalobus gayi*, in Argentina 774
- Creobius eydouxii*, in Argentina 774

Scarabaeus*, wings in, folding mechanism of 5269**Scatophaga stercoraria***

- apple canker and 5978
- in UK 800, 5978
- preying on, *Hylemya coarctata*, in England 800

Scaurini

- defensive behaviour in 2403
- defensive secretion in 2403

Scelio oxyae

- in Taiwan 2802
- parasitised by, *Eupteromalus parnarae*, in Taiwan 2802
- parasitising, *Oxya intricata*, in Taiwan 2802

Scelionidae

- in India 5831
- in rice-fields, in Tokushima Prefecture 1354
- parasitising

Nezara viridula, in Mexico 3449

Orgyia antiqua, in West Germany 3030

types of 2329

Sceptrothelys grandiclava

- hyperparasitising
- Hypera postica*
- in Wisconsin 7197
- in Wyoming 189
- in USA 189, 7197
- parasitising
- Bathyleptes curculionis*
- in Wisconsin 7197
- in Wyoming 189

Sceptrorhynchus intermedia

- hyperparasitising, *Hypera postica*, in Wyoming 189
- in USA 189
- parasitising, *Bathyplectes curculionis*, in Wyoming 189

schaefferi*, *Camponotus***schalleriana*, *Acleris******schedli*, *Sophrorhinus******Schedorhinotermes*, for competitive**

- displacement of pest termites 3560

Schedorhinotermes intermedius

- biology of 216
- control of 216
- in Australia 216
- in farm buildings, in Queensland 216

Schedorhinotermes intermedius seclusus

- in Australia 3106
- in power-transmission poles, in Queensland 3106

Schedorhinotermes lamanianus

- biology of 1311
- in Botswana 1311
- in Kenya 1311
- in Mozambique 1311
- in Rhodesia 1311
- in South Africa 1311
- in Swaziland 1311
- in Uganda 1311
- in Zambia 1311

schencki*, *Psenulus***schilskyi*, *Meligethes******Schimitschekia***

- in Sweden 3365
- keys to 3365

Schistocerca alutacea lineata*, antifeedants for 170**Schistocerca americana gregaria* (see also*****Schistocerca gregaria*)**

- aggregation in 164, 1258–1259
- antifeedants for 170
- γ -BHC resistance in 2648
- mechanism of 1257
- brain in, selective uptake of indolamine by 6498
- carbaryl in, metabolism of 3526
- control of 2684
- insecticides for 1253, 1259–1260
- corpus allatum in 172
- cuticle in, quantitative fractionation of 1750
- cuticular sclerotisation in 1117
- cyclic AMP in, metabolism of 3525
- development in
 - effects of JH mimics on 1263
 - effects of photoperiod on 1257
- enzymes in 1865, 2681
- farnesane derivatives in, growth-regulator activity of 6939
- fat-body in, effects of JH on 162
- fecundity in
 - effects of chlormequat on 1252

***Schistocerca americana gregaria* contd.**

- fecundity in contd.
 - effects of JH mimics on 1252
- fenitrothion resistance in 2648
- mechanism of 1257
- fertility in
 - effects of chlormequat on 1252
 - effects of JH mimics on 1252
- flight activity in, glycerol metabolism during 6477
- food-plants of 4654
- food preferences of 5417
- forecasting infestations of 6596
- glutamate receptors in 4656
- gregarisation pheromone in 5426
- in India 1258, 1262, 1264, 4750, 4752
- in Pakistan 1259
- insecticide resistance in, testing for 1206
- insecticides in, effects on nerve function of 2290
- jumping activity in, energetics of 2686
- juvenile hormone in 4759, 5306
- organophosphate inhibition of hydrolysis of 3523
- synthesis and release of 1136
- synthesis of 3394
- lipid synthesis in 162
- Malameba locustae* in
 - development of infection with 5988
 - histopathology of 2199
- mechanoreceptors in 1763
- migration in 7167
- moulting hormones in 738, 742
- muscle fibres in
 - chloride permeability of 746
 - glutamate receptors of 745
- nervous system in 736, 1122, 4753–4754
- acetylcholinesterase in 6479
- neuromuscular system in, effects of alkaloids on 1761
- nymphs of, morphometric variation in 4752
- ocellar electroretinogram of, analysis of 1853
- oenocytes in, synthesis of hydrocarbons by 743
- on maize, development of 1258
- on *Tribulus alatus*, in Rajasthan 1258
- on *Tribulus terrestris*, development of 1258
- oogenesis in, effects of temperature on 1860
- oviposition in 1259
 - effects of soil types on 1261
- paraoxon in, metabolism of 1865
- phases in, effects of gregarisation pheromone on 3520
- pheromones in 3520
- plagues of
 - development of 2684
 - duration of 2683
- population dynamics of 1262, 1264

***Schistocerca americana gregaria* contd.**

- preyed on by
 - Acanthodactylus cantor* in Rajasthan 1262, 4750
 - Uromastix* spp. 5093
- propoxur resistance in 2648
 - mechanism of 1257
- protein synthesis in 162
- prothoracic gland in 742
- radar cross-section of 1177
- radiophosphorus in, persistence of 1861
- rectal wall in, transmural PD of 5420
- relation between atmospheric environment and 1173
- research on 4743
- sensilla in 6500
- sexual maturation in, activity of corpus allatum during 172
- spermiduct in, effects of juvenile hormone on 4675
- surveys for, handbook for use in 5425
- water relations of, effects of diet on 1255

***Schistocerca gregaria* (see also *Schistocerca americana gregaria*)**

- dieldrin in, effects on nervous system of 4677
- enzymes in 7054
- in Sudan 7170
- juvenile hormone in, synthesis of 5884
- muscle contraction in, effects of alcohols on 1250
- phase transformation in, not affected by crowding with grasshoppers 7170

Schistocerca lineata* (see *S. alutacea lineata*)**Schistoceros bimaculatus***

- in USSR 313
- on grape vine, in Azerbaijan 313

Schizaphis

- on grasses, in Queensland 298
- on wheat, in Chile 5489

Schizaphis cyperi

- cardamom (lesser) mosaic virus in, transmission of 145
- in India 145

Schizaphis graminum

- alarm pheromone in 600
- biology of 1939, 5485, 6672
- cardamom mosaic virus in, transmission of 145
- control of 5485
 - crop management for 1362
 - insecticides for 291, 1938–1939, 2817, 3202, 4267, 4278, 5519, 5752
- disulfoton resistance in, in Texas 294
- Entomophthora aphidis* in 477
- flight activity in 2508
- generation time in 6697
- illustrations of 2766
- in Bulgaria 1939
- in Canada 6041
- in Chile 3982
- in India 145

***Schizaphis graminum* contd.**

- in Poland 1352
- in Romania 1362, 1972, 2508, 2821, 4278, 5519, 6697
- in USA 294, 1344, 1938, 2817, 3202, 4267, 5485, 7276
- in USSR 5752, 6037, 6073, 6672
- insecticide resistance in, in USA 1938
- life-cycle of 6697
- maize dwarf mosaic virus in, transmission of 4267
- mortality in, effects of temperature on 4797
- natural enemies of, in Bulgaria 1939
- on barley
 - development of 6697
 - in Canada 6041
 - in South Dakota 1344
- on grain crops
 - damage caused by 6672
 - in USSR 6672
- on maize
 - in Kansas 4267
 - in Poland 1352
- on oats
 - in Canada 6041
 - in South Dakota 1344
- on sorghum
 - damage caused by 1972
 - effects of parasites on 4797
 - in Kansas 3202
 - in Romania 1362, 1972, 2821, 4278, 5519, 6697
 - in Texas 294, 2817, 7276
 - in Ukraine 6073
 - in USA 1938
 - resistance to 291, 2817, 2821
- on *Sorghum halepense*
 - in Romania 2821
 - in Texas 7276
 - resistance to 2821
- on wheat
 - forecasting infestations of 1939
 - in Bulgaria 1939
 - in Canada 6041
 - in South Dakota 1344
 - in Texas 7276
 - in Ukraine 5752
- overwintering in 6037
- paedogenesis in 3391
- parasites of, in Texas 7276
- parasitised by
 - Aphelinus asychis* 2495
 - Lysiphlebus testaceipes* 3580, 4797
 - and biological control using 291
- parasitism of, effects of food-plant on 3580
- pea enation mosaic virus in, transmission of 3112
- population dynamics of 6073
- predators of
 - effects of insecticides on 3202

- Schizaphis graminum* contd.**
 predators of *contd.*
 in Texas 7276
 preyed on by
Chrysopa zastrowi 4223
Coccinella septempunctata
 in Romania 4278
 in Ukraine 6073
Coccinellidae, in Romania 4278
Episyrphus balteatus, in Poland 1352
Sphaerophoria scripta, in Poland 1352
Syrphidae, in Ukraine 6073
 traps for 2508
 biotype C 3580, 4267
 biotype D 294
- Schizaphis rotundiventris***, in Portugal 4207
- Schizobothrus flavovittatus***
 in Australia 1233
 traps for 1233
- Schizolachnus***
 on *Pinus nigra*, in Italy 6625
 parasites of, in Italy 6625
- Schizolachnus pineti***
 hyperparasitised by, *Phaenoglyphis ruficornis*, in East Germany 1307
 in East Germany 1307
 on *Pinus*, in East Germany 1307
 parasitised by, *Pauesia* spp., in East Germany 1307
- Schizolachnus piniradiatae***
Entomophthora aphidis in, in Ontario 6890
 in Canada 6890
 on *Pinus resinosa*, in Ontario 6890
- Schizonycha***, on *Grewia asiatica*, in Punjab 2114
- Schizonycha affinis***
 biology of 265
 control of, insecticides for 265
 in South Africa 265
 on *Acacia mearnsii*, in South Africa 265
 on sugar-cane, in South Africa 265
- Schizonycha ruficollis***
 control of, insecticides for 4888
 in India 4887-4888
 on grapevine, in Punjab 4887-4888
- Schizopepon bryoniaefolius***, *Henosepilachna vigintioctomaculata* on, in Japan 5481
- Schizotetranychus***, in Thailand 3174
- Schizotetranychus andropogoni***
 in India 5513
 on *Dichanthium annulatum* 5513
 on rice, in West Bengal 5513
 on *Saccharum spontaneum* 5513
 on sugar-cane 5513
 preyed on by
Amblyseius fallacis, in West Bengal 5513
A. longispinosus, in West Bengal 5513
Pronematus spp., in West Bengal 5513
- Schizotetranychus pruni*** (see *Eotetranychus*)
- Schizotetranychus prunicola***
 in USSR 6102
 on plum, in USSR 6102
- Schizotetranychus sacharum***
 sp. nov., description of 6451
 in Brazil 6451
 on sugar-cane, in Brazil 6451
- Schizura concinna***
 control of, *Bacillus thuringiensis* for 1320, 7484
 in USA 1320
 on *Cercis occidentalis* 7484
 in California 1320
 on *Liquidambar styraciflua*, in California 1320
 on walnut, in California 1320
 parasitised by
Apanteles schizurae, in California 1320
Hyposoter fugitivus, in California 1320
- schizurae***, *Apanteles schlechtendali*, *Aculus schmidtii*, *Cystiphora schneideri*, *Isophya schoenobii*, *Shirakia*, (*Tropobracon*) *schoenobii*, *Tetrastichus schoenobius dodatellus*
 control of, insecticides for 1951
 in Malaysia 1951
 on rice, in Malaysia 1951
- Schradan** (octamethyldiphosphoramide)
 in apple orchards, effects on mites of 2011
- schreberi***, *Silpha schultzei*, *Frankliniella schuykillensis*, *Phytocoris*
- Sciara***, control of, integrated 4512
- Sciara hirtilineata***
 in India 7323
 in stored avocados, in Andhra Pradesh 7323
 parasitised by, *Acarophenax tribolii*, in Andhra Pradesh 7323
- Sciara solani***
 control of, insecticides for 2740
 on mushroom 2740
- Sciaridae***, in *Tipula* culture, in England 5396
- Sciomyzidae**
 in rice-fields 3843
 keys to 3843
- Scirphophaga incertulas*** (see also *Tryporyza incertulas*)
Beauveria bassiana in, in Orissa 6694
 biology of 1968, 2809
 control of 6690
 insecticides for 1950-1951, 2811, 3599, 7269, 7609
Neoapectana carpocapsae for 3847
 prophylactic 7269
 timing of measures for 7266

***Scirpophaga incertulas* contd.**

- distribution of 1958
- in China 1968, 2811
- in Hong Kong 2809
- in India 3599, 4857, 4861, 5512, 6690, 6694, 7609
- in Indonesia 1950, 7266
- in Malaysia 1951, 7269
- migration in 4861
- on rice 1958
 - assessing infestations of 7266
 - damage caused by 4270, 4849
 - in Andhra Pradesh 4861
 - in China 1968
 - in Hong Kong 2809
 - in India 6690
 - in Indonesia 7266
 - in Java 1950
 - in Kashmir 3599
 - in Kwangtung Province 2811
 - in Malaya 4849, 7269
 - in Malaysia 1951
 - in Orissa 5512, 6694
 - in Tamil Nadu 4857
 - resistance to 4846, 4857, 6690
- parasites of, in Malaya 4849
- parasitised by
 - Apanteles flavipes*, in Hong Kong 2809
 - Bracon chinensis* 2715
 - Shirakia schoenobii*, in Hong Kong 2809
 - Telenomus dignoides*, in Orissa 5512
 - T. dignus*, in Hong Kong 2809
 - Tetrastichus schoenobii*, in Orissa 5512
 - Trichogramma japonicum*
 - in Hong Kong 2809
 - in Orissa 5512
- preyed on by
 - dragonflies, in Malaya 4849
 - spiders, in Malaya 4849
- rearing of, techniques for 1968

Scirpophaga nivella* (see *Tryporyza*)**Scirtothrips aurantii***

- control of, integrated 5955
- in South Africa 5955
- on *Citrus*, in South Africa 5955

Scirtothrips bispinosus

- control of, insecticides for 4991
- in India 4991
- on tea, in Tamil Nadu 4991

Scirtothrips citri

- control of 337
 - insecticides for 3971
- in Cyprus 3971
- in USA 337, 1907, 4325
- on *Citrus*
 - assessing infestations of 4325
 - in California 337, 4325
- on orange, in California 1907

***Scirtothrips citri* contd.**

- preyed on by, *Anystis agilis*, in California 1907
- traps for 4325

Scirtothrips dorsalis

- control of, insecticides for 7384
- in India 7384
- on *Capsicum annum*, in Tamil Nadu 7384

scissifrons*, *Sitona***scitella*, *Leucoptera*, (*Cemiostoma*)*****scitula*, *Eublemma******Sclerodermus domesticus***

- biology of 3105
- hosts of 3105
- in Italy 2179
- parasitising

Hylotrupes bajulus 3105

Penichroa fasciata, in Italy 2179

Sclerophoma pithyophila, in, timber, effects on termites of 7210***Sclerotinia fructicola***

in

Carpophilus mutilatus

in California 5554

transmission of 5554

Haptonchus luteolus

in California 5554

transmission of 5554

nectarine, in California 5554

peach, in California 5554

Sclerotinia narcissicola

in, narcissus bulbs, in Scotland 5655

mite transmission of 5655

Sclerotium rolfsii, in, soy bean, insect damage allowing infection by 3674***Scobicia declivis***

- damaging lead sheathing, in California 1572
- in USA 1572

Scolebythidae, keys to 3993***Scoloposcelis***

in Canada 7015

in USA 7015

taxonomy of 7015

Scoloposcelis flavicornis

preying on, bark beetles, in North America 7015

taxonomy of, *Scoloposcelis mississippiensis* as synonym of 7015

Scoloposcelis mississippiensis, taxonomy of, synonym of *S. flavicornis* 7015***Scolothrips acariphagus***

- in USSR 386, 6920
- in cotton fields, in Tadzhikistan 386
- preying on, *Heliothis armigera*, in Tadzhikistan 6920

Scolothrips longicornis

- in Turkey 6602
- preying on, *Tetranychus urticae*, in Turkey 6602

Scolothrips sexmaculatus

- distribution of 3357
- in Taiwan 2909
- on peach, in Mexico 3357
- preying on, *Tetranychus truncatus*, in Taiwan 2909

scolyti*, *Pyemotes***scolyticida*, *Coeloides*****Scolytidae**

- aggregation pheromones in 602
 - control of
 - growth regulators for 5885
 - insecticides for 4418
 - use of pheromones in 3870
 - flight activity in 643, 3763
 - in Fiji 549
 - in Samoa 5674
 - in Thailand 7029
 - in USA 1721
 - in Zaïre 6555
 - in forests, in Brazil 5692
 - in oak-hickory forests, in Missouri 5672
 - nematodes in, effects of 194
 - on *Abies*, in Maine 3763
 - on *Abies grandis*, relation of root-decaying fungi and 3047
 - on *Araucaria cunninghamii*, in Papua New Guinea 643
 - on fire-damaged trees, in Russian Republic 6841
 - on *Picea*
 - in Maine 3763
 - in Sweden 4418
 - on *Picea glauca*, in Alaska 4399
 - on *Pinus*, in Sweden 4418
 - on *Quercus*, in Mississippi 7410
 - parasites of, in USSR 6627
 - parasitised by, *Cecidostiba dendroctoni*, in Michigan 3746
 - population ecology of 7432
 - predators of
 - in Russian Republic 6841
 - in USSR 6627
 - preyed on by, *Scoloposcelis flavicornis*, in North America 7015
 - preying on, bark beetles, in USSR 6627
 - sound production in 5902
 - taxonomy of 1721
 - traps for 643, 3763
- Scolytus*, on *Ulmus*, in England 4423**
- Scolytus amygdali***
- in Lebanon 6097
 - on almond, in Lebanon 6097
- Scolytus mediterraneus***
- biology of 5553
 - in Israel 6720
 - in Lebanon 6097
 - on almond, in Lebanon 6097
 - on fruit trees, in Israel 6720
 - population dynamics of 6720
- Scolytus multistriatus***
- aggregation pheromone in 4633-4634

***Scolytus multistriatus* contd.**

- biology of 6218
 - Ceratocystis ulmi* in
 - in USA 3736
 - transmission of 3737, 4632, 5002, 5038, 6218
 - control of 3736-3737
 - aggregation pheromone for 4632
 - insecticides for 2121, 4392, 4734, 5666
 - distribution maps for 4153
 - feeding behaviour in 5038
 - in Austria 3752
 - in Canada 2132
 - in UK 5666, 7194
 - in USA 2132, 3736, 4392, 4632-4634, 5038, 5757, 6000, 6218
 - in Yugoslavia 2121
 - in *Ulmus* timber, in England 5666
 - mortality in 3752
 - on *Ulmus*
 - feeding preferences of 5695
 - in England 7194
 - in Michigan 5757
 - in Yugoslavia 2121
 - rearing of 4734
 - on *Ulmus americana*
 - feeding preferences of 5038
 - in Canada 2132
 - in Colorado 6000
 - in Michigan 5038
 - in New York 4634
 - in Ohio 4392, 4633
 - in USA 2132
 - on *Ulmus pumila*, in Colorado 6000
 - parasites of, in Austria 3752
 - parasitised by, *Dendrosoter protuberans*, and biological control using, in Colorado 6000
 - phagostimulants for 46
 - preyed on by
 - Aulonium trisulcum*, in England 7194
 - Medetera nitida*, in Austria 3752
 - rearing of, techniques for 4734
 - spermatogenesis in 2435
 - surveillance for 4632
 - traps for 2132
 - effects of height on catches in 5757
- Scolytus piceae***
- in USA (Alaska) 4399
 - on *Picea glauca*, in Alaska 4399
- Scolytus pygmaeus***
- in Poland 1885
 - on *Ulmus carpiniifolia*, in Poland 1885
 - parasitised by
 - Eupelmella vesicularis*, in Poland 1885
 - Eurytoma fraxinicola*, in Poland 1885
- Scolytus rugulosus***
- in France 321
 - in Poland 1885
 - on plum, in Poland 1885
 - parasitised by, *Eurytoma fraxinicola*, in Poland 1885

***Scolytus rugulosus* contd.**

yeasts in, in France 321

scolytus*, *Scolytus***Scolytus scolytus***

Ceratocystis ulmi in, transmission of 3737

control of 3737

insecticides for 4423, 5666

distribution maps for 4153

in Austria 3752

in Denmark, not found 5400

in UK 5666, 7194

in Yugoslavia 5731

in *Ulmus* timber, in England 5666

Microsporidia in 5731

mortality in 3752

on *Ulmus*

feeding preferences of 5695

in England 7194

in Yugoslavia 5731

parasites of, in Austria 3752

preyed on by

Aulonium trisulcum, in England 7194

Medetera nitida, in Austria 3752

Stempellia scolyti in, in Yugoslavia 5731

Scolytus ventralis

in USA 3047

on *Abies grandis*, in Idaho 3047

Scopaeus

in Africa 6440

taxonomy of 6440

***Scopelodes contractus*, cytoplasmic**

polyhedrosis virus in, infectivity of 2192

Scopula remotata

biology of 866

descriptions of 866

in India 866

on soy bean, in Madhya Pradesh 866

Scopulariopsis*, in, *Thyridopteryx

ephemeraeformis, in Georgia (USA) 2735

Scopulariopsis koningii*, in, *Thyridopteryx

ephemeraeformis, pathogenicity of 963

***Scorpiones*, *Spilostethus pandurus* defensive**

secretion repellent to 5874

***Scorzonera hispanica*, *Bombyx mori* on,**

development of 5933

Scotia* (see *Agrotis*)**Scotia ipsilon* (see *Agrotis*)*****Scotia segetum* (see *Agrotis*)*****Scotinophara coarctata***

control of, insecticides for 1951

in Malaysia 1951, 4853

on rice

damage caused by 4859

in Malaya 4853

in Malaysia 1951

predators of, in Malaya 4853

Scotogramma trifolii* (see *Discestra*)**scripta*, *Chrysomela******scripta*, *Sphaerophoria******Scrobipalpa heliopa***

biology of 6194

in Australia 6193–6194

on tobacco, in Queensland 6193–6194

Scrobipalpula absoluta

descriptions of 677

in Colombia 1905

in Peru 677

on tomato, in Peru 677

parasitised by, *Apanteles gelechiidivoris*, in Colombia 1905

scrophicus*, *Galeatus

Scrophulariaceae, *Brachycaudus persicae* on 6453

scrophulariae*, *Anthrenus***scrupulosa*, *Teleonemia******sculpturatus*, *Ellingsenius******Scutacarus acarorum***

in Canada 5993

on *Parasitus*, in Alberta 5993

scutata*, *Lissopimpla***scutatus*, *Platycheirus******scutellare*, *Xanthogramma******scutellaris*, *Apanteles******scutellaris*, *Coccophagus******scutellaris*, *Crematogaster******scutellata*, *Alloxysta* (see *A. macrophadna*)*****scutellata*, *Blepharipa***

(*Blepharipoda*)

scutellatus*, *Gonipterus***scutellatus*, *Malcus******scutellatus*, *Pachynematus******Scutellista cyanea***

in Australia 225

in Greece 6135, 6626

in Italy 1643

in Spain 3641

in Tunisia 5109

in Turkey 5105

in USA 2897
in olive groves, effects of insecticides on 1643

parasitising

Saissetia oleae

in Greece 6135, 6626

in Italy 1643

in Queensland 225

in Spain 3641

in Tunisia 5109

in Turkey 5105

preying on

Saissetia oleae

in Florida 2897

in Greece 6626

scutiger*, *Pectinophora

Scutigerella immaculata
control of, pesticides for 2947,
3949–3950, 7600

identification of 4194

in France 2947, 3950

in UK 4194

on beet, in France 2947

- Scutigerella immaculata** *contd.*
 on maize, in France 3950
 on sugar-beet 7600
 in France 3950
- Scymnus**
 identification of 1083
 in maize fields, in Egypt 4836
 in olive groves, effects of insecticides on 1643
 in sorghum fields, in Texas 7276
 preying on
 Ceroplastes rubens, in Queensland 333
 Saissetia oleae, in Italy 1643
 Tetranychus urticae, in Turkey 6602
 seasonal abundance of 4836
- Scymnus bilaris** auct. (see *S. ishidae*)
- Scymnus constrictus**
 in Réunion 4137
 prey of 4137
- Scymnus ferrugatus**
 in Japan 3837
 preying on
 Hyalopterus amygdali, in Japan 3837
 Myzus persicae, in Japan 3837
- Scymnus impexus**, preying on, *Adelges* spp., and biological control using, in Sweden 3768
- Scymnus interruptus**
 biology of 178
 development in, aphid prey essential for 179
 hyperparasitised by
 Achrysopophagus spp., in Egypt 178
 Prochiloneurus aegyptiacus, in Egypt 178
 in Egypt 178, 4360
 parasitised by, *Homalotylus flaminus*, in Egypt 178
 preying on
 Aphis gossypii, in Egypt 178, 4360
 A. nerii, in Egypt 178
 A. punicae 179
 in Egypt 178
 A. verbasci, in Egypt 178
 Brevicoryne brassicae 179
 Capitophorus elacagni 179
 Chrysomphalus aonidum 179
 Lepidosaphes beckii 179
 Rhopalosiphum maidis, in Egypt 178
 Spodoptera littoralis 179
 Tetranychus urticae 179
- Scymnus ishidae**
 in Japan 3837
 preying on
 Hyalopterus amygdali, in Japan 3837
 Myzus persicae, in Japan 3837
- Scymnus notescens**
 in Australia 1451
 preying on, aphids, in New South Wales 1451
- Scymnus reunioni**
 sp. nov., description of 4137
- Scymnus reunioni** *contd.*
 in Réunion 4137
 preying on, scale insects, in Réunion 4137
- SD-14114** (see Distannoxane, hexakis(2-methyl-2-phenylpropyl)-)
- Sea squill** (see *Urginea maritima*)
- Seal**
 DDE in, metabolism of 3306
 phenols in, toxicity of 3306
- Seal, harbour** (see *Phoca vitulina*)
- Seal, northern fur** (see *Callorhinus ursinus*)
- Seaweed extracts**, with polybutene, against, *Tetranychus urticae* 1004
- Secale cereale** (see Rye)
- secalis, Microctonus**
seclusus, *Schedorhinotermes intermedius secundaria*, *Brachymeria secundus*, *Monoclonus* (see *M. nervosus*)
securis, *Hylemya*, (*Phorbia*)
- Sedamia inferens**, parasitised by, *Bracon chinensis* 2715
- Sedge, yellow nut-** (see *Cyperus esculentus*)
- Sediment**, mirex in, residues of 5149
- Sedum telephium**, *Yponomeuta vigintipunctatus* on, in Netherlands 5226
- Seed crops**, pest control on, in UK 4181
- Seed orchards**, pests of 4421
- Seeds**
 diet component for
 Formica lugubris 756
 F. rufa 756
 fumigation of, standards for 6926
- segetis, Euxoa** (see *Agrotis segetum*)
- segetum, Agrotis**
 (*Scotia*)
segetum, *Anisoplia seguyi*, *Tipula seitneri*, *Tomicobia*
- Seiurus aurocapillus**, preying on, *Choristoneura fumiferana*, in Ontario 4789
- Selanastrum capricornutum**, DDT in, effects on photosynthesis of 6413
- Selatosomus latus**
 in USSR 6587
 on wheat, damage caused by 6587
- selenaria, Boarmia**, (*Ascotis*)
- Selenaspidus articulatus**
 in Peru 1098
 in Uganda 1098
 on *Citrus*, in Peru 1098
 parasitised by
 Aphytis roseni
 and biological control using, in Peru 1098
 in Uganda 1098
- Selenium**, in foodstuffs, residues of 7646
- Selenocephalus**, in South Africa 13
- Selenothrips rubrocinctus**
 biology of 902

***Selenothrips rubrocinctus* contd.**

- control of, insecticides for 1491
- in Brazil 1491, 6717
- in India 2676
- in Mexico 902
- on *Anacardium occidentale*
 - distribution pattern of 6717
 - in Brazil 6717
 - in Kerala 2676
- on cacao
 - in Brazil 1491
 - in Mexico 902
- on *Eugenia jambos*, in Kerala 2676
- on guava, in Kerala 2676
- on mango, in Kerala 2676
- on *Terminalia catappa*, in Mexico 902

Selepa docilis

- descriptions of 1478
- development of 1478
- in India 1478
- on eggplant, in Mysore 1478

Selidosema suavis* (see *Pseudocoremia*)**sellatus*, *Hishimonus******Sematoneura grijpmai***

- sp. nov., description of 3076
- in Costa Rica 3076
- on *Cedrela odorata*, in Costa Rica 3076

semblidis*, *Trichogramma***Semiadalia undecimnotata***

- diapause in 6532
- dormancy in
 - diet-induced 89
 - induced by food-plant of prey 90
- in Czechoslovakia 6532
- in France 6532
- migration in 90
- preying on
 - aphids 89–90
 - Aphis fabae* 2570, 5391
- rearing of, diets for 2570, 5391

Semiaphis dauci

- celery (western) mosaic virus in,
 - transmission of 3113
- control of, insecticides for 4921
- in Czechoslovakia 4921
- on carrot, in Czechoslovakia 4921

semiclusaria*, *Nepytia***Semidalis albata***

- in Japan 3739
- preying on, *Oligonychus hondoensis*, in
 - Nagasaki Prefecture 3739

semiferanus*, *Archips***semiflaviventris*, *Phanuropsis******semilugens*, *Sylepta******seminuda*, *Norvellina******Semiothisa clathrata***

- biology of 6705
- control of, insecticides for 6705
- in Romania 6705
- on lucerne
 - damage caused by 6705
 - in Romania 6705

Semiothisa liturata

- feeding behaviour in 5340
- on *Picea abies*, feeding by 5340

semipunctata*, *Phoracantha***semistriatus*, *Trissolcus******Semolina*, *Oryzaephilus surinamensis* in,**

- development of 1799

Semul* (see *Salmalia malabarica*)**senatoria*, *Anisota******seneciella*, *Pegohylemyia*, (*Phorbia*)*****Senecio*, *Pegohylemyia seneciella* on, in**

- Czechoslovakia 5405

Senecio jacobaeae

- Longitarsus jacobaeae* on, and biological
 - control using, in British Columbia 2755

***Pegohylemyia seneciella* on, in**

- Czechoslovakia 5405

***Tyria jacobaeae* on**

- and biological control using
 - in British Columbia 3564
 - in Canada 2755
 - in Nova Scotia 3564

Senecio vulgaris*, aphids on, in UK 3679**Senegal***

- acceptance of International Plant
 - Protection Convention by 4526

***Caryedon serratus* in, in stored**

- groundnuts 6234

Coccoidea* in, on *Citrus* 5100**Diplopoda* in**

- natural enemies of 2063

on groundnut 2063***Isoptera* in 3559****pesticide legislation in 6269*****Trogoderma granarium* in, in stored**

- groundnuts 6234

senegalensis*, *Chrotogonus***senegalensis*, *Oedaleus******seniculum*, *Apion******Senoclidia purpurata***

- in Papua New Guinea 5630
- on yam, in Papua New Guinea 5630

separata*, *Mythimna*, (*Leucania*)*(*Pseudaletia*)*****separatella*, *Maliarpha******Sepedon plumbellus***

- in Japan 3846
- in rice-fields, in Japan 3846
- parasitised by, *Trichogramma* spp., in
 - Japan 3846

Sepedon sauteri*, taxonomy of 3846**Sepedon sphegeus***

- biology of 3846

in Japan 3846**in rice-fields, in Japan 3846**

- parasitised by, *Trichogramma* spp., in
 - Japan 3846

septemfasciata*, *Nomadacris***septempunctata*, *Chrysopa******septempunctata*, *Coccinella******septendecim*, *Magicicada***

Septicemia

- in *Leptinotarsa decemlineata* 489
- in *Lymantria dispar*, caused by *Serratia marcescens* 6899

serendiba, *Tropidocephala***seriatus, *Psallus***

(*Pseudatomoscelis*)

sericata, *Lucilia***sericea, *Blastothrix*****sericeicornis, *Sympiesis******Sericesthis nigrolineata***

- feeding behaviour in 4257
- on carrot, feeding by 4113

sericeus, *Chlaenius****Sericoides obesa***

- in Argentina 775
- parasitised by, *Teretrura tinctipennis*, in Argentina 775

Sericoides rechenqui

- in Argentina 775
- parasitised by, *Pyrgotosoma flavidum*, in Argentina 775

sericopeza, *Etainia*, (*Nepticula*)***Sericothrips inversus***

- biology of 902
- distribution of 3357
- in Mexico 902
- on cacao, in Mexico 902, 3357
- on grasses 902

Sericothrips variabilis

- distribution of 3357
- on grasses, in Mexico 3357
- on lucerne, in Mexico 3357

L-Serine

- in *Acheta domesticus* haemolymph 1753
- in *Apis cerana* haemolymph 1753
- in cotton 2088
- in *Danaus chrysippus* haemolymph 1753
- in *Dysdercus cingulatus* haemolymph 1753
- in *Dysdercus cingulatus* hemolymph 1782
- in *Macrosiphum euphorbiae* 3423
- in *Mylabris phalerata* haemolymph 1753
- in *Onitis distinctus* haemolymph 1753
- in *Spodoptera exigua* haemolymph 1753
- in *Spodoptera littoralis* hemolymph, effects of insecticides on 5797
- in sugar-beet, *Lygus disponi* causing reduced level of 868
- in *Viteus vitifoliae* 2859
- in wheat, effects of insecticides on 274
- Phyllotreta nemorum* feeding responses to 3459
- Spodoptera littoralis* feeding response to 2088

serinopa, *Nephantis***Serotonin (see 1 *H*-Indol-5-ol, 3-(2-aminoethyl)-)****serpentinus, *Deltocephalus*****serrata, *Lachnosterna*, (*Holotrichia*)****serratella, *Coleophora*****serratella, *Eteobalea*, (*Stagmatophora*)*****Serratia*, in, *Rhagoletis completa* 7295*****Serratia marcescens***

in

Curculio caryae

- in Arkansas 3824
- in Mississippi 3824

Diatraea saccharalis*, control of 3128**Galleria mellonella*, pathogenicity of 7488****Lepidoptera**

- effects of 2227
- in India 3143
- pathogenicity of 2227

***Lixophaga diatraeae*, control of 3128**

- Lymantria dispar*
- in USA 6898
- pathogenicity of 6898-6899

Nephantis serinopa*, pathogenicity of 6341**Ostrinia kasmirica***

- effects of 3143
- in Himachal Pradesh 3143
- O. nubilalis*, in Iowa 7485

serratulae, *Terellia***serratus, *Paragus*****serricorne, *Lasioderma*****serrifer, *Homoeocerus*****Serriola (see *Lactuca scariola*)*****Serodes campanus***

- illustrations of 2002
- in South Korea 2002
- on grapevine, in South Korea 2002

Serropalpus*, in Japan 7021**Serruria*, pests of, in South Africa 4387****sertifer, *Neodiprion***

(*Diprion*)

servus, *Euschistus***Sesame (*Sesamum indicum*)*****Amsacta lactinea* on, in Tamil Nadu 888*****Antigastra catalaunalis* on 2079****in Madhya Pradesh 4356, 4971****in Nigeria 2980****varietal preferences of 4356*****Asphondylia sesami* on****damage caused by 2979****in Rajasthan 3697****in Tamil Nadu 2979****in Uttar Pradesh 2982****resistance to 2980*****Bemisia tabaci* on, resistance to 2980*****Brevipalpus phoenicis* on****damage caused by 2981****in West Bengal 2981*****Cyrtopeltis tenuis* on, in Tamil Nadu****888*****Euproctis fraterna* on, in Tamil Nadu****888*****Eutetranychus orientalis* on, in Egypt****4355*****Heliothis armigera* on, in Tamil Nadu****888**

Sesame contd.

- Melanagromyza obtusa* on, in Tamil Nadu 888
Nezara viridula on, in Egypt 851
Orosius albicinctus on, in Tamil Nadu 887
 pest control on, cultural measures for 2980
 sesamum phyllody virus in, in Tamil Nadu 887
Spodoptera littoralis on, in Egypt 4355
Teleonemia scrupulosa on, in East Africa 6657
Tetranychus cucurbitacearum on, in Egypt 4355
T. urticae on, in Tamil Nadu 888
Zygina maculifrons on, in Tamil Nadu 888

Sesame flour, *Tribolium castaneum* in, varietal preferences of 1567

- Sesamex** (5-[1-[2-(2-ethoxyethoxy)ethoxy]ethoxy]-1,3-benzodioxole)
 in *Musca domestica*, inhibiting diazinon degradation 1955
 in *Ostrinia nubilalis*, oxidase inhibition by 6469

sesami, *Asphondylia****Sesamia***

- control of, insecticides for 816, 1612
 on maize, in Europe 1612
 on sugar-cane, in Pakistan 816

Sesamia calamistis

- control of, insecticides for 7273
 distribution of 1958
 in Nigeria 4860, 7273
 in Réunion 249
 on rice 1958
 in Nigeria 4860, 7273
 on sugar-cane, in Réunion 249
 parasitised by

- Lixophaga diatraeae* 242
Pediobius furvus, and biological control using, in Réunion 249
Tetrastichus atriclavus, in Réunion 249
Trichospilus diatraeae, and biological control using, in Réunion 249

Sesamia cretica

- control of
 crop management for 268
 insecticides for 268
 in Egypt 4836
 in Iran 268
 on maize, in Egypt 4836
 on sugar-cane, in Iran 268
 seasonal abundance of 4836

Sesamia inferens

- Beauveria bassiana* in, infectivity of 6694
 control of 6690
 insecticides for 713, 1356, 1951
Neoplectana carpocapsae for 3847
 digestive enzymes in 2424

***Sesamia inferens* contd.**

- distribution of 1958
 food-plants of 233
 in India 233, 6683, 6690
 in Indonesia 713
 in Japan 815
 in Malaysia 1356, 1951
 in Pakistan 773
 in Papua New Guinea 4852
 in Philippines 5268
 on maize, in Karnataka 6683
 on rice 1958
 damage caused by 1356
 in India 6690
 in Indonesia 713
 in Malaysia 1356, 1951
 in Papua New Guinea 4852
 resistance to 6066, 6690
 on sugar-cane
 in India 233
 in Kagoshima Prefecture 815
 in Pakistan 773
 on *Typha angustata*, in Pakistan 773
 parasitised by
Apanteles flavipes, in Pakistan 773
Coccysgomimus pluto, in Kagoshima Prefecture 815
Cremastus flavoorbitalis, in Kagoshima Prefecture 815
Enicospilus sakaguchii, in Kagoshima Prefecture 815
Eriborus terebrans, in Kagoshima Prefecture 815
Itopectis naranyae, in Kagoshima Prefecture 815
Vulgichneumon taiwanensis, in Kagoshima Prefecture 815
 preyed on by, *Pheidole* spp. 4793
 sex pheromone of 5268
Telenomus dignoides not parasitising 5512
- Sesamia nonagrioides***
 biology of 1234
 control of, sterile-insect release for 1234
 granulosis virus in, properties of 3131
 on maize, development of 1234
 traps for 1234
- sesamiae, *Apanteles***
Sesamum indicum (see Sesame)
Sesamum orientale (see Sesame)
Sesamum phyllody virus
 in
Orosius albicinctus
 in Tamil Nadu 887
 transmission of 887
 sesame, in Tamil Nadu 887
- Sesbania*, *Otinotus oneratus* on, in Tamil Nadu 1847**
***Sesbania aculeata*, *Otinotus oneratus* on, in Tamil Nadu 1847**
***Sesbania cannabina*, soy bean mosaic virus in, symptoms of 864**

Sesbania speciosa, soy bean mosaic virus in, symptoms of 864

sesbaniae, *Acyrtosiphon*

Sesiidae, sex attraction in 2413

Setaria, *Oria musculosa* on 270

Setaria anceps, *Oncopera* spp. on, in Queensland 301

Setaria italica

Marasmia trapezalis on, in Tamil Nadu 1847

wheat streak mosaic virus in, mite transmission of 3804

Setaria macrochaete, wheat streak mosaic virus in, mite transmission of 3804

Setaria splendida, *Schizaphis* spp. on, in Queensland 298

Setaria verticillata, wheat streak mosaic virus in, mite transmission of 3804

setariae, *Hysteronura*

setator, *Pachynematus*

seticornis, *Adelphocoris*

setigena, *Eugaurax*

setiger, *Haplothrips*

setigera, *Eurytoma* (see *E. pistaciae*)

setigerus, *Pediobius*

Setoptus exmaculatus

sp. n., description of 3985

in USA 3985

on *Pinus virginiana*, in Ohio 3985

Sevidol (see BHC (γ -isomer), with carbaryl)

Sevimol (see Carbaryl, with molasses)

Sevin (see Carbaryl)

Sewage, environmental pollution with 6952

Sewers, *Achaearanea tepidariorum* in, in Nagasaki Prefecture 2718

Sex pheromones

Acyrtosiphon pisum 93

Adoxophyes orana 1069, 4627

Aegeria pictipes 1222

Anadevidia peponis 4128

Anarsia lineatella 2416, 2863

Anastrepha suspensa 1140, 5270

Anthonomus grandis 601, 1483, 4686

Aphytis maculicornis 5264, 5828

A. mytilaspidis 5264

Archips podanus 4627

A. semifervans 1779, 3059, 4629–4630

Argyrotaenia citrana 4639

A. velutinana 2512, 3460, 4636

Attageus megatoma 6574

Bombyx mori 5282

Ceratitis capitata 1140

Chilo suppressalis 4070, 5266–5267

Clepsis spectrana 4627

Cydia molesta 101, 542, 849, 1138, 2889, 5283

C. nigricana 2052

C. pomonella 1197, 1648, 1805, 2877, 3925, 4904, 5281, 5287–5288, 6925, 7116

Dendrolimus spectabilis 605

Diparopsis castanea 599, 4983

Sex pheromones contd.

Elasmopalpus lignosellus 1460

Ephestia cautella 2500–2501, 6487–6488, 7681

Eupoecilia ambiguella 7152

Eurygaster integriceps 5873

Heliolithis virescens 2414–2415, 4047

H. zea 2415, 5824

Hemerocampa leucostigma 2408

H. pseudotsugata 2408, 3075, 4046

H. pseudotsugata \times *H. leucostigma* 2408

Holomelina immaculata 2512

Hypsipyla grandella 4072

Lepidoptera 7557

Limoniis canus 1113

Lymantria dispar 131, 543, 1632, 5282, 7682

L. monacha 5003

Mamestra brassicae 6148

M. configurata 3421–3422

Megoura viciae 93

Orgyia trigotephra 3774

Ostrinia nubilalis 1145–1146, 1837, 5758

Paralobesia viteana 1633

Pectinophora gossypiella 4983

Pegomya betae 1660

Phthorimaea operculella 2973

Planococcus citri 125, 5578, 6484

Platynota stultana 4637

Plodia interpunctella 539, 1141, 2500, 4643, 6297

Pseudoplusia includens 2415

Rhyacionia buoliana 1633, 3401, 6846

R. neomexicana 3066

Sesamia inferens 5268

Spodoptera exempta 2407

S. littoralis 62–63, 3256, 5871

S. litura 62–63, 603, 1778, 5823, 5872

Synanthedon tipuliformis 6741

Telea polyphemus 4073

Telenomus remus 2472

Tetranychus urticae 42

Thaumetopoea pityocampa 65

Tribolium confusum 1777

Trichogramma oxygramma 2415

Trichoplusia ni 131, 142, 2409, 2415, 3399, 5279

Trogoderma glabrum 4642, 6489, 7056

T. granarium 1631

T. inclusum 6574

apparatus for baiting traps with 4048

biosynthesis of 2405

formulations of, measuring emission from 3163

in insect food-plants 4630

insect control using 3160, 3497–3498, 4495, 7558, 7568, 7623, 7637–7638

literature on 5265

separation of isomers of 127

Sexava femorata

in Papua New Guinea 4108

- Sexava femorata* contd.
on coconut, in New Guinea 4108
stridulatory behaviour in 4108
- sexcarinata*, *Limnoria*
sexdens, *Atta*
sexdentatum, *Synoxylon*
sexdentatus, *Ips*
sexmaculatus, *Menochilus*
sexmaculatus, *Scolothrips*
sexnotatus, *Macrosteles*
sexspinosus, *Eccoceptorus* (see *E. spinosus*)
sexta, *Manduca*
(*Phlegethontius*)
sexvittatus, *Ptyelus*
seychellarum, *Icerya*
seychellensis, *Trissolcus*, (*Asolcus*)
Seychelles
Anoplolepis longipes in, in dwellings
5989
Opogona sacchari in 6201
- SG-67** (see Silica gel, with diammonium
hexafluorosilicate(2-))
SG-68 (see Silica gel)
Shaddock (see *Citrus grandis*)
ShadeTM, UV-protectant for *Pleistophora*
schubergi 4478
shanghaiensis, *Tetranychus*
Sharka virus (see Plum pox virus)
Sheep (*Ovis aries*)
arthropod pests of, in UK 545
DDT in, effects of 2310
diazinon in, metabolism of 5202
formothion in, effects of reproduction of
3305
heptachlor in, metabolism of 4537
methoxychlor in, effects of 2310
- sheldoni*, *Aceria*
Shell oil P31 (see Oil, mineral)
Shepherd's purse (see *Capsella bursa-*
pastoris)
Shiehia, gen. nov., description of 5833
shikokiana, *Tetragnatha*
Ships
fumigation of, precautions in 5176
pest control in, fumigants for 933
stored-product insects in, detection of
5706
- Shirakia schoenobii*
in Hong Kong 2809
parasitising, *Scirpophaga incertulas*, in
Hong Kong 2809
shirakii, *Trichomalopsis*
Shoe flower (see *Hibiscus rosa-sinensis*)
Shoot-flies
in grassland
damage caused by 4289
in Northern Ireland 4288-4289
- shorea**, *Syrphus*
Shorea
pests of, in Malaysia 2148
Xyleborus abscissus on, in Sarawak 2340
- Shorea** (stored nuts)
Coleoptera in, in Sarawak 6228
Lepidoptera in, in Sarawak 6228
Shrews, preying on, *Microdiprion pallipes*,
in West Germany 930
Shrike, loggerhead (see *Lanius ludovicianus*)
Shrimp
DDT in, residues of 2299
mirex in, residues of 2299-2300
Shrimp, brine (see *Artemia salina*)
Shrimp, brown (see *Penaeus aztecus*)
Shrimp, pink (see *Pandalus jordanii*)
Shrubs
Cuerna balli on, in Arizona 838
Kraussaria angulifera on, in Nigeria
1855
Numicia graminivora on, in Hong Kong
6999
pests of, in USA 5687
Xylosandrus compactus on, in Florida
332
- Sibine fusca**
in Colombia 4458
nuclear virus in, in Colombia 4458
on oil palm, in Colombia 4458
parasites of, in Colombia 4458
- Sibine nesea**
in Brazil 3696
on *Anacardium occidentale*, in Brazil
3696
on avocado, in Brazil 3696
on *Citrus*, in Brazil 3696
on mango, in Brazil 3696
on peach, in Brazil 3696
on plum, in Brazil 3696
on *Ricinus communis*, in Brazil 3696
- siculum**, *Pachyneuron*
Sida acuta, *Tropicomyia theae* on, in
Madhya Pradesh 3519
Sida rhombifolia, *Paracoccus larinus* on, in
South Africa 3989
- Sida spinosa**
Heliethis spp. on, in South Carolina
3512
Spissistilus festinus on 6162
- side**, *Spilochalcis*
Sierra Leone, rice in, insect pests of 833
- Siga**, *Siga australis*
in New Zealand 741, 2831
in alpine tussock grassland
damage caused by 741
in New Zealand 741
in grassland, in New Zealand 2831
population dynamics of 2831
- sigillatus*, *Grylodes*
signata, *Brachynema*
signata, *Chrysopa*
signata, *Plusia*
signata, *Tropidoccephala* (see *T. serendiba*)
signaticornis, *Medetera*
signatum, *Trypodendron*
signatus, *Anthonomus*

- signipennis*, *Chaetanaphothrips*
signoretti, *Meleoma*
 Sikkim, aphids in 2355
sikokiana, *Fiorinia*
silana, *Pauesia*
silantjewi, *Netelia*
Silba
 descriptions of 3364
 keys to 3364
 taxonomy of 3364
Silba gibbosa
 descriptions of 3364
 taxonomy of, transferred from *Lonchaea* 3364
silesiacus, *Ecphylus*
Silica
 against, *Tetranychus urticae* 1004
 in insecticidal dusts 2291
 with carbaryl, against, *Tetranychus urticae* 1004
 with phosmet, against, *Tetranychus urticae* 1004
 with pirimiphos-methyl, against, *Tetranychus urticae* 1004
Silica gel
 against
 pests of packaging materials 6248
 pests of stored wheat 5709
 Sitophilus oryzae 1553
 with diammonium hexafluorosilicate(2-), against, *Sitophilus oryzae*, in stored wheat 3787
Silicate(2-), hexafluoro-
 diammonium, with silica gel, against, *Sitophilus oryzae*, in stored wheat 3787
 disodium
 against
 Agrotis segetum, on potato 2965
 Spodoptera littoralis 3288
 on lucerne 1376
Silicic acid, sodium salt, against, *Tetranychus urticae* 1004
Silicic acid (H_2SiO_3), disodium salt, with oil emulsion, against, *Ceroplastes rubens*, on *Citrus* 333
Silicones (see Siloxanes and silicones)
silicula, *Autoba*, (*Eublemma*)
Silos
 insects in, in Portugal 1540
 stored products in, in Portugal 1541
Siloxanes and silicones, in *Pinus strobus*, effects of 4412
Silpha quadripunctata (see *S. schreberi*)
Silpha schreberi, preying on, *Lymantria dispar*, in Europe 3168
Silphidae, in Mongolia 4142
Silphium albiflorum, *Bothynus gibbosus* on, in Texas 153
 Silt, pesticides in, residues of 6421
silvana, *Mycodiplosis*, (*Resseliella*)
Silvereye (see *Zosterops*)
Silybum marianum, *Ipochnus fasciatus* on, in California 2741
 Simazine (6-chloro-*N,N'*-diethyl-1,3,5-triazine-2,4-diamine)
 in soil, effects on arthropods of 2603
simi, *Pleocoma*
simile, *Apion*
similis, *Archippus piceanus* (see *Archips similis*)
similis, *Archips*
similis, *Diprion*
similis, *Dysdercus*
similis, *Epilachna*
similis, *Eriophyes*
similis, *Euproctis*
similis, *Hortensia*
similis, *Pineus*
simillimus, *Odontomachus*
simmondsi, *Pharoscyrnus*
simoni, *Trissolcus*
simplex, *Aonidiella*
simplex, *Atherigona*
simplex, *Leucostoma*
simplex, *Orocrambus*, (*Crambus*)
simplex, *Sathrobrotia*, (*Pyroderces*)
simplex, *Taeniothrips*
simplex, *Trogoderma*
simpliciella, *Glyphipterix*
simulans, *Drosophila*
simulans, *Prosapia*
simulata, *Forcipomyia* (see *F. picea*)
simulata, *Rhyacionia*
simulatrix, *Aiolopus*
sinana, *Cydia*, (*Grapholitha*)
Sinapis
 Asphondylia spp. on, in Cyprus 5538
 A. gennadii on, in Cyprus 5537
Sinapis arvensis
 Amblyseius swirskii on, feeding on pollen 7217
 Hylemya brassicae on, development of 3565
 Thrips tabaci on, in Bulgaria 3700
Sinea complexa, plant feeding in 1915
Sinea confusa, plant feeding in 1915
sinensis, *Ceroplastes*
sinensis, *Numicia graminivora*
Singapore, keys to 2348
Singapore diversa
 sp. n., description of 2348
 in Thailand 2348
 on *Tetrorchus macrocarpus*, in Thailand 2348
Singapore, *Forcipomyia fuliginosa* in 5463
singularis, *Sahlbergella*
sinica, *Pryeria*
Sinigrin
 against, *Tetranychus urticae* 1004
 in *Myzus persicae* diet, feeding responses to 6383
 in *Pieris brassicae*, accumulation of 1781
 in *Pieris rapae*, accumulation of 1781

sinister, Euryproctus***Sinophorus rufifemur*** (see *Campoplex*)***Sinophorus validus*** (see *Campoplex*)***Sinophorus xanthostomus*** (see *Campoplex*)***Sinoxylon***, in timber, imported into USSR 6319***Sinoxylon anale***

in India 6321

in wooden articles, in Punjab 6321

Sintox (see *Ethion*)***sinuata, Entylia*** (see *E. carinata*)***sinuata, Winthemia******sinuella, Paraleucoptera******sinuosa, Sphenoptera******Sipha flava***

alarm pheromone in 600

control of 7223

in Dominican Republic 7223

in Puerto Rico 1975

on *Digitaria decumbens*, in Puerto Rico 1975on *Digitaria diversinervis*, resistance to 4516on *Digitaria friesii*, resistance to 4516on *Digitaria longiflora*, resistance to 4516

on sugar-cane, in Dominican Republic 7223

Sipha kurdjumovi

barley yellow dwarf virus in, transmission of 6038

in Canada 6041

in Turkey 6038

maize mosaic virus in, transmission of 6038

on barley, distribution pattern of 278

on *Poa annua*, distribution pattern of 278

on wheat, in Canada 6041

Siphona maculata

in USSR 1872

parasitising, *Orthosia gracilis*, in USSR 1872**Siphonaptera**, in UK 4004***Siphonella***

attractants for 1071

in Japan 1071

siphonophorae, Pachyneuron***Sirex***, cytoplasmic polyhedrosis virus in 2151***Sirex abbottii***

in USA 188

parasites of, in USA 188

Sirex cyaneus

in UK 4154

in USA 188, 3741

on *Abies concolor*, in USA 3741on *Abies lasiocarpa*, in USA 3741on *Abies nobilis*, in Northern Ireland 4154on *Picea engelmannii*, in USA 3741

parasites of, in USA 188

Sirex cyaneus* contd.**parasitised by, *Rhyssa persuasoria*, in Northern Ireland 4154Sirex juvenus californicus***

in USA 3741

on *Pinus ponderosa*, in USA 3741

parasitised by

Ibalia ruficollis, in USA 3741*Rhyssa hoferi*, in USA 3741***Sirex longicauda***

in USA 3741

on *Abies concolor*, in USA 3741on *Abies lasiocarpa*, in USA 3741***Sirex nigricornis***

in USA 188

parasites of, in USA 188

Sirex noctilio

control of, crop management for 3073

Deladenus siricidicola in, in New Zealand 5219

in Australia 188, 3073

in New Zealand 5219

on *Pinus radiata* 2216

in Australia 188

in Tasmania 3073

resistance to 3073

outbreaks of 3073

oviposition holes of, bacteria and yeasts in 2216

parasites of, attracted by yeasts in oviposition holes 2216

pine oils in, antennal responses to 6423

Siricidae

keys to 426

on broadleaved trees, in Europe 2151

on conifers, in Europe 2151

parasites of 2493

parasitised by, Hymenoptera, in USA 3741

siro, Acarus***sisymbrii, Poophagus******Sisymbrium irio***, cotton insects on, in Arizona 3714***Sisymbrium loeselii****Hylemya brassicae* on, development of 3565*Lipaphis fritzmuellerei* on, in Poland 1926***Sisyphus***, taxonomy of, revision of 557***Sisyphus macrorubrus***, sp. n., description of 557***Sisyphus rubripes***, taxonomy of, *Sisyphus rubrus* misidentified as 557***Sisyphus rubrus***

sp. n., description of 557

taxonomy of, misidentified as *S. rubripes* 557***Sitana ponticeriana***

preying on

Odontotermes obesus, in India 7202*Solenopsis geminata*, in India 7202***Sitobion*** (see *Macrosiphum*)

Sitobion africanum (see *Macrosiphum*)

Sitobion avenae (see *Macrosiphum*)

Sitobion fragariae (see *Macrosiphum*)

Sitobium granarium (see *Macrosiphum avenae*)

Sitodiplosis mosellana

control of

insecticides for 822

integrated 3581

threshold for 822

in West Germany 822, 1198, 3581

mortality in 1198

on wheat

assessing infestations of 822

in West Germany 822, 3581

resistance to 3581

oviposition in 822

parasites of, in West Germany 1198

predators of, in West Germany 1198

Sitona

control of, *Beauveria bassiana* for 5529

in Poland 2677

in Ukraine 7350

on lucerne

in Bulgaria 1986

in Tadzhikistan 5529

on pea, in Poland 6769

overwintering in 2677

population growth in, effects of irrigation on 1194

Sitona callosus, in Iran 5842

Sitona cambricus puberulus, in Iran 5842

Sitona concaviostris, in Iran 5842

Sitona crinitus

in Egypt 4299

in Iran 5842

in Israel 4959

in Poland 2050

in USSR 7350

in Yugoslavia 5526

on groundnut, in Israel 4959

on lucerne, in Yugoslavia 5526

on pea

in Poland 2050

in Ukraine 7350

in Yugoslavia 5526

on *Robinia pseudacacia*, in Ukraine 7350

on *Trifolium alexandrinum*, in Egypt 4299

on *Trifolium pratense*

in Egypt 4299

in Yugoslavia 5526

on *Vicia*, in Israel 4959

population dynamics of 4299

Sitona crinitus albocrinatus, in Iran 5842

Sitona cylindricollis

in Iran 5842

in Yugoslavia 5526

literature on 2839

on lucerne, in Yugoslavia 5526

on *Melilotus*, resistance to 2835

***Sitona cylindricollis* contd.**

on *Trifolium pratense*, in Yugoslavia 5526

on *Trigonella*, resistance to 2835

Sitona flavescens

flight activity in 639

in Poland 2050

in Yugoslavia 5526

light preferences of 104

literature on 2839

on lucerne, in Yugoslavia 5526

on pea, in Poland 2050

on *Trifolium pratense*, in Yugoslavia 5526

on *Vicia sativa*, in Yugoslavia 5526

temperature preferences of 104

Sitona fronto, in Iran 5842

Sitona hispidulus

control of, insecticides for 3606

flight activity in 639

in Iran 5842

in Poland 2050

in USA 305, 3606

in Yugoslavia 5526

light preferences of 104

literature on 2839

on lucerne

in Maryland 3606

in Washington 305

in Yugoslavia 5526

resistance to, evaluation of 305

on pea, in Poland 2050

on *Trifolium pratense*, in Yugoslavia 5526

parasitised by, *Microctonus aethiopoides* 4602

temperature preferences of 104

Sitona humeralis

flight activity in 639

in Iran 5842

in New Zealand 3972

in Poland 2050

in Yugoslavia 5526

light preferences of 104

on lucerne, in Yugoslavia 5526

on *Medicago hispida*, in New Zealand 3972

on pea

in Poland 2050

in Yugoslavia 5526

temperature preferences of 104

Sitona limosus

descriptions of 4335

development in 4335

in Israel 4335

on *Vicia faba*, in Israel 4335

Sitona lineatus

broad bean stain virus in, transmission of 5723

control of, insecticides for 363

Echtes Ackerbohnenmosaik virus in,

transmission of 5723

***Sitona lineatus* contd.**

- flight activity in 639
- in Iran 5842
- in Israel 4959
- in Poland 2050
- in UK 5723
- in USA 363
- in USSR 7350
- in Yugoslavia 5526
- light preferences of 104
- literature on 2839
- on groundnut, in Israel 4959
- on lucerne, in Yugoslavia 5526
- on pea
 - in Oregon 363
 - in Poland 2050
 - in Ukraine 7350
 - in Yugoslavia 5526
- on *Robinia pseudacacia*, in Ukraine 7350
- on *Trifolium pratense*, in Yugoslavia 5526
- on *Vicia*, in Israel 4959
- on *Vicia faba*, in England 5723
- temperature preferences of 104

Sitona lividipes

- feeding behaviour in, effects of temperature and humidity on 4886
- food preferences of 4886
- in Egypt 1371, 4299, 4886
- in Iran 5842
- life-cycle of, effects of host plant and soil type on 1371
- on lucerne 4886
- in Egypt 1371
- on *Trifolium alexandrinum*, in Egypt 1371, 4299, 4886
- on *Trifolium pratense*, in Egypt 4299
- population dynamics of 4299

Sitona ocellatus*, in Iran 5842**Sitona puberulus* (see *S. cambricus puberulus*)*****Sitona puncticollis***

- in Iran 5842
- in Yugoslavia 5526
- on lucerne, in Yugoslavia 5526
- on pea, in Yugoslavia 5526
- on *Trifolium pratense*, in Yugoslavia 5526

Sitona scissifrons*, literature on 2839**Sitona sulcifrons***

- flight activity in 639
- in Poland 2050
- in Yugoslavia 5526
- light preferences of 104
- on lucerne, in Yugoslavia 5526
- on pea, in Yugoslavia 5526
- on *Trifolium pratense*, in Yugoslavia 5526
- on *Vicia sativa*, in Yugoslavia 5526
- temperature preferences of 104

Sitona suturalis

- in Yugoslavia 5526

***Sitona suturalis* contd.**

- on lucerne, in Yugoslavia 5526
- on *Vicia sativa*, in Yugoslavia 5526

Sitona tibialis

- in Poland 2050
- on pea, in Poland 2050

Sitophagus hololeptoides

- control of, γ -irradiation for 4084
- in USA 4084

Sitophilus

- control of
 - insecticides for 6234
 - protective atmospheres for 6260
- in stored maize, in Togo 6234
- in stored wheat, in Peru 680

Sitophilus granarius

- antifeedants for 5063
- Bacillus thuringiensis* in 5729
- γ -BHC resistance in, testing for 1207
- body weight variation in 934
- bromomethane resistance in, testing for 2543
- bromomethane susceptibility in, effects of temperature on 3094
- control of 1557
 - fumigants for 933, 1046, 2171, 3094, 3101, 3793, 4442, 5049, 5705, 5799, 6309
 - growth regulators for 5768, 7464
 - inert atmospheres for 2169, 2656, 5348, 6303
 - insecticides for 449, 1022, 5190, 5798, 6276, 6858, 6963, 7652
 - γ -irradiation for 1952
 - mineral oils for 3891
 - radio-frequency irradiation for 7471
- development in, effects of environmental factors on 4169
- energy budget for 6280
- food utilisation in 44
- growth rate of 44
- in Australia 1557, 6288
- in East Germany 2171, 6309
- in Egypt 451
- in Italy 2656
- in Turkey 6858
- in UK 5978, 6237
- in Yugoslavia 449
- in flour mills, in Egypt 451
- in granaries, in Yugoslavia 449
- in packaging materials, damage caused by 3261
- in stored barley, in Northern Ireland 5978
- in stored grain
 - in East Germany 2171
 - in UK 6237
 - in Victoria 1557
- in stored wheat
 - damage caused by 6318
 - development of 6280
 - effects of fungi on 1560

***Sitophilus granarius* contd.**

- in stored wheat *contd.*
 - in East Germany 6309
 - in Italy 2656
- insecticide resistance in 1532
- insecticide susceptibility in, effects of rearing conditions on 5930
- life-span in, effects of CO₂ on 5346
- malathion resistance in
 - in New South Wales 6288
 - testing for 1207
- mating competitiveness in, effects of γ -irradiation on 2464
- mortality in, effects of environmental factors on 4169
- phagostimulants for 5063
- phosphine in
 - effects on cell respiration of 6397
 - role of CO₂ in toxicity of 1665
- phosphine resistance in, testing for 2543
- preyed on by, *Acaropsis docta* 3392
- seasonal abundance of 451
- sexual dimorphism in 566
- starvation in, effects of rearing conditions on 5930

Sitophilus oryzae

- Aspergillus* spp. in
 - effects of 2165
 - in South Korea 2165
- Bacillus thuringiensis* in, dispersal of 5729
- γ -BHC resistance in, testing for 1207
- bromomethane resistance in, testing for 2543
- control of
 - fumigants for 717, 1046, 2171, 3484, 4443, 6309
 - growth regulators for 5053, 5768
 - inert atmospheres for 2169, 5348, 6303, 7444
 - inert dusts for 5709
 - infrared irradiation for 6265
 - insecticides for 446-449, 700, 705, 1025, 1555, 3783, 3787-3788, 3897, 5708, 5798, 6245, 6252, 6276, 6295, 6864, 7467
 - IR-irradiation for 939
 - microwave irradiation for 6265
 - mineral oils for 3891
 - non-toxic dusts for 1553
 - plant extracts for 5057
 - powdered leaves for 1566
 - radio-frequency irradiation for 7471
- DDT resistance in, in Philippines 1025
- dichlorvos resistance in, in Australia 6252
- emergence in, effects of nitrogen and temperature on 1555
- food preferences of 6227
- food utilisation in 44
- fungi in 6227
- growth rate of 44

***Sitophilus oryzae* contd.**

- in Australia 6252, 6288
- in Chile 6245
- in East Germany 2171-2172, 6309
- in Egypt 451
- in India 1562, 3783, 4437, 7192
- in Malawi 7467
- in Malaysia 6295
- in Peru 692
- in Philippines 1025
- in Portugal 1535
- in South Korea 2165
- in USA 5709
- in Yugoslavia 449
- in flour mills
 - in Egypt 451
 - in India 1562
 - in Portugal 1535
- in granaries, in Yugoslavia 449
- in packaging materials, damage caused by 3261
- in stored barley, resistance to 6867
- in stored grain
 - effects of pneumatic conveyers on 2172
 - in East Germany 2171-2172
 - interactions with insecticides of 6284
- in stored maize 5050
 - damage caused by 6310
 - in Malawi 7467
 - resistance to 1563
- in stored rice 717, 5050, 6229
 - in India 3783
 - in Malaysia 6295
- in stored sorghum 1555
- in stored wheat 1565-1566, 5050
 - damage caused by 4437
 - development of 938
 - effects of non-uniform insecticides on 6864
 - in Australia 6252
 - in Chile 6245
 - in East Germany 6309
 - in Kansas 5709
 - in South Korea 2165
 - in Uttar Pradesh 4437
 - resistance to, effect of temperature on 3785
 - varietal preferences of 4437-4438
- insecticide resistance in 1532
- insecticide susceptibility in, effects of diet on 1025
- malathion resistance in
 - in New South Wales 6288
 - testing for 1207
- microflora in 1565
- mycetome in 3381
- on rice 6229
- ozone in, toxicity of 3091
- parasitised by
 - Anisopteromalus calandrae* in India 7192

***Sitophilus oryzae* contd.**parasitised by *contd.**Anisopteromalus calandrae* *contd.*

in Peru 692

phosphine resistance in, testing for 2543
preyed on by*Acaropsis docta* 3392*Tenebroides mauritanicus* 7472

seasonal abundance of 451

sexual dimorphism in 566

sterilisation of, γ -irradiation for 3236

symbionts in 44, 1757

vitamin requirements of 1757

Sitophilus zeamais γ -BHC resistance in, testing for 1207

bromomethane resistance in, testing for 2543

control of, insecticides for 1558, 1672, 7467, 7469

in Japan 3099

in Malawi 7467

in USA 3789

in packaging materials, damage caused by 3261

in stored barley

effects of sun-drying on 3099

in Japan 3099

in stored maize 1558, 6229

in Arkansas 3789

in Malawi 7467

resistance to 682, 6681

susceptibility to 6235

varietal preferences of 681

insecticide resistance in 1532

life-span in, effects of CO₂ on 5346

malathion resistance in, testing for 1207

on maize 6229

ovary in 567

phosphine resistance in, testing for 2543

sterilisation of, γ -irradiation for 3236

testes in 4015

 β -Sitosterol (see Stigmast-5-en-3-ol, (β)-)***Sitotroga cerealella***

amino acids in, developmental changes in 5891

control of

Bacillus thuringiensis for 7466

fumigants for 2171

hermetic grain storage for 6866

inert atmospheres for 4428

infrared irradiation for 6265

insecticides for 1675, 3783, 3791,

5052, 5711, 6295, 7467

 γ -irradiation for 1952

microwave irradiation for 6265

plant products for 937

storage conditions for 5711

dicofol in, determination of 128

fecundity in, effects of mating on 5330

Gregarina polymorpha in, in Yugoslavia 6307

in Bangladesh 5711

Sitotroga cerealella* *contd.

in Brazil 693

in East Germany 2171

in Egypt 5710

in India 1675, 3783, 4277, 4437

in Malawi 7467

in Malaysia 6295

in Peru 680, 692

in USA 3791

in Yugoslavia 4485, 6307

in mills, in Yugoslavia 4485

in stored grain, in East Germany 2171

in stored maize

in Kansas 3791

in Malawi 7467

resistance to 682

susceptibility to 6235

in stored rice 6229

in Bangladesh 5711

in India 3783

in Malaysia 6295

in Orissa 1675

penetration of grain by 693

susceptibility to 1559

in stored wheat

damage caused by 4437, 5710

in Peru 680

in Uttar Pradesh 4437

varietal preferences of 4437

life-span in, effects of mating on 5330

Mattesia dispora in, in Yugoslavia 6307*Nosema* spp. in, in Yugoslavia 4485, 6307

on rice 6229

on *Sorghum*, in India 4277

on wheat, in Egypt 5710

parasitised by

Bracon hebetor, in Bangladesh 5711*Trichogramma* spp. 128, 6637*T. cacoeciae* 1603, 3910, 6328*T. evanescens* 5444*T. pallidum* 5444*T. pretiosum* 7522

preyed on by

Chrysopa carnea 3507, 4731*C. zastrowi* 4223

mites 128

rearing of, techniques for 6637, 7522

Thelohania spp. in, in Yugoslavia 4485, 6307***siva*, *Streblote*, (*Taragama*)****ŠJ-53-Fchl** (see 2-Dodecenoic acid, 11-chloro-3,7,11-trimethyl-, ethyl ester)***sjostedti*, *Podagrica******sjostedti*, *Taeniothrips*****Skatole** (see 1*H*-Indole, 3-methyl-)**SKF 525A** (see Proadifen hydrochloride)**Skim-milk powder**, as sunlight protectant for virus formulations 3135***skuhrayorum*, *Resseliella******Sliochia bala***

gen. et sp. nov., description of 5837

***Sliochia bala* contd.**

in Malaysia 5837

parasitising, *Acrocercops* spp., in Sabah 5837**Slug**

DDT in, residues of 2315

on grain crops, in UK 7618

preyed on by, centipedes, in UK 4749

preying on, *Cydia pomonella* 6732**SM 134** (see Butene, homopolymer, with seaweed extract)***smaragdina, Oecophylla******Smerinthus ocellatus***, peptides in 4681***Smiela fusca***

in Poland 1926

on Cruciferae, in Poland 1926

smilacis, Melanaspis**Sminthuridae**

in pastures, in New Zealand 1978

insecticides in, toxicity of 1978

traps for 1978

Sminthurus viridis

control of, insecticides for 4879

in Australia 967, 4879

in South Africa 967

in pastures, in South Australia 4879

on *Trifolium subterraneum*, in South Africa 967

preyed on by

Biscirus lapidarius

and biological control using, in South Africa 967

in Australia 967

smirnovi, Attagenus**Smite** (see Sulfurous acid, 2-chloroethyl 2-

[2-[4-(1,1-dimethylethyl)phenoxy]-1-methylethoxy]-1-methylethyl ester)

smithi, Aphidius***smithi, Prospaltella******Smithiavirus agrotidis***, in, Lepidoptera, pathogenicity of 5092***Smynthuroides betae***

control of, deep ploughing for 5647

in USSR 5647

on cotton

damage caused by 5647

in Turkmenia 5647

preyed on by

Metopostigma sabulona, in Turkmenia 5647*Thaumatomyia sulcifrons*, in Turkmenia 5647tended by, *Cardiocondyla* spp., in

Turkmenia 5647

Snail, DDT in, residues of 2315**Snow**

DDT in, residues of 2316

polychlorinated biphenyls in, residues of 2316

sobrina, Olla abdominalis***soccata, Atherigona******sociana, Gypsonoma******socius, Zelus*****Soda ash** (see Carbonic acid, disodium salt)**Sodium**in *Spodoptera litura*, effects of viral infection on 3152ion (Na^{1+})in *Anthrenus flavipes* diet, effects on feeding of 4053in *Galleria mellonella* haemolymph, effects of ecdysone on 1751

in locust excreta 1255

in *Locusta migratoria*, activation of ATPase by 3521in *Schistocerca americana*, effects on central nervous ganglia of 1122in *Schistocerca americana* rectal wall, influence on transmural PD of 5420in *Spodoptera litura*, effects of *Bacillus thuringiensis* on 886

in wool textiles, effects on insect feeding of 6277

Sodium chlorideagainst, *Tetranychus urticae*, on *Phaseolus* 6935in *Ceratitis capitata*, effects on embryonic development of 2358in *Choristoneura fumiferana*, receptors for 4055in *Dacus oleae*, effects on embryonic development of 2358in *Dermestes maculatus*, effects on development of 5700in *Leptinotarsa decemlineata*, taste receptors for 589in *Locusta migratoria*, effects on cardiac rhythm of 4646in *Necrobia rufipes*, effects on development of 5700in *Ostrinia nubilalis*, muscular resistance during overwintering to 5878**Sodium fluoride**in *Agrotis segetum*, toxicity of 1031in *Leptinotarsa decemlineata*, toxicity of 1031in *Mamestra brassicae*, toxicity of 1031**Sodium fluosilicate** (see Silicate(2-), hexafluoro-, disodium)**Sodium hydroxide**degradation of *Bacillus thuringiensis* parasporal crystals using 959in *Bacillus thuringiensis*, effects on insecticidal activity of 4473**Sodium metasilicate** (see Silicic acid (H_2SiO_3), disodium salt)***soemius, Pnigalio******Sogatella furcifera***

biology of 287

control of, insecticides for 287, 1954, 4273, 4865, 7612

in India 4863, 6693, 6696, 7264

in Japan 287, 1954, 6688, 7255, 7612

***Sogatella furcifera* contd.**

- in Malaysia 3973, 4865
- in South Korea 4273
- in Thailand 2347
- mating in 7079
- mating signal of 5901
- migration in 6688, 7255
- on *Echinochloa crus-galli*, development of 5755
- on rice
 - assessing infestations of 6693
 - development of 5755
 - in Delhi 6693
 - in Himachal Pradesh 4863
 - in India 6696
 - in Japan 287, 1954, 6688, 7612
 - in Kyushu 7255
 - in Madhya Pradesh 7264
 - in Malaya 4865
 - in South Korea 4273
 - in Thailand 2347
- ovarian development in 7079
- parasitised by, *Elenchus yasumatsui*, in Thailand 2347
- preyed on by
 - Cyrtorhinus lividipennis*, in Madhya Pradesh 7264
 - Tytthus parviceps*, in Madhya Pradesh 7264
- traps for 3973

Sogatella longifurcifera*, on *Eleusine coracana*, damage caused by 5509**Sogatodes orizicola***

- control of, insecticides for 710
- in Peru 710
- on rice, in Peru 710

Soil

- aldicarb in
 - effects on microflora of 7664
 - release from granules of 1707
- aldrin in
 - degradation of 1703
 - metabolism of 5778
 - residues of 3329, 5771
- ants in 5931
- arthropods in
 - effects of cultivation on 2597, 2599, 2601
 - effects of fertilizers on 2602
 - extraction of 2606
- azinphos-methyl in, residues of 2857
- BHC in, residues of 148, 3329, 4579
- β -BHC in
 - degradation of 5820
 - residues of 1061
- γ -BHC in
 - degradation of 5820
 - effects of bacteria and nutrient status on 831
 - residues of 1061
- carbamates in
 - degradation of 5160

Soil contd.

- carbamates in *contd.*
 - determination of 1825
- carbaryl in, residues of 1704, 4580, 5822
- carbofuran in, residues of 1704
- chlordane in, residues of 533
- chlorfenvinphos in
 - persistence of 4583
 - residues of 1466
- Conoderus falli* in, distribution pattern of 1818
- C. vespertinus* in, distribution pattern of 1818
- Curculio caryae* in, distribution pattern of 4131
- DDT in
 - degradation of 2645, 6968
 - residues of 538, 2315, 4983, 5210, 5212, 5819, 6387, 6968
- dichlorvos in, degradation in 3923
- dieldrin in
 - degradation of 4574
 - metabolism of 5778
 - residues of 2041, 5212, 5771
- dimefox in, adsorption of 3934
- 3,5-dimethylphenyl methylcarbamate in, residues of 4580
- disulfoton in, effects of moisture on 2278
- Elateridae in 4771
- Eleodes* spp. in, textural preferences of 2778
- Embaphion muricatum* in, textural preferences of 2778
- endosulfan in, degradation of 1062
- endrin in, effects of bacteria and nutrient status on 831
- ethiofencarb in, determination of 2549
- ethion in, residues of 2857
- grandlure in, degradation of 6990
- Heliothis nuclear polyhedrosis virus* in, persistence of 6330
- heptachlor in, degradation of 4574
- insect viruses in, recovery of 2220
- insecticides in
 - degradation of 3962-3963, 4581, 7615
 - effectiveness of 3969
 - residues of 2957, 3889, 5146
- invertebrates in, effect of direct drilling on 4827
- leptophos in, residues of 6987
- malathion in, residues of 5215
- methamidophos in, degradation of 5783
- methyl-parathion in
 - degradation of 3933
 - hydrolysis of 6986
- mirex in, residues of 5149, 7665
- naled in, residues of 2857
- 1-naphthalenol in, carbaryl metabolite 4580
- Onthophagus nuchicornis* in, efficiency of dung burial by 4285

Soil contd.

- organic phosphates in, degradation of 5159
- Oribatei in 2605
- Oribatidae in, effects of DDT on 2604
- oxamyl in, determination of 6561
- parathion in, degradation of 3933, 5777
- pesticides in
 - books on 6389
 - degradation of 5208
 - effects on fertility of 1708
 - effects on micro-organisms of 1708
 - persistence of 1699
 - residues of 5208, 6421

phorate in

- degradation of 1015
- residues of 5776

phosalone in, residues of 2857, 5822**phosfolan in, residues of 6988****photodieldrin in, products of 5821****termites in 5931****tetrachlorvinphos in, residues of 2140****thiofanox in**

- determination of 4582
- metabolism of 535

trichlorphon in, degradation in 3923**Soja virus 1 (see Soy bean mosaic virus)****Solanaceae*****Aulacorthum solani* on, in Brazil 2072**

- cowpea aphid-borne mosaic virus in, infectivity of 2931

Macrosiphum euphorbiae* on, in Brazil 2072**Myzus persicae* on, in Brazil 2072*****Pemphigus* spp. on, in Ukraine 5341****tobacco etch virus in, in Venezuela 1573****tomato yellow mosaic virus in 6177*****solanella*, *Aphis******solani*, *Aulacorthum*****(*Acyrtosiphon*)*****solani*, *Phenacoccus******solani*, *Sciara*, (*Neosciaria*)*****solanifolii*, *Macrosiphum* (see *M. euphorbiae*)*****Solanum******Myzus persicae* on****resistance to 502****evaluation of 4964*****Solanum aviculare*, *Phthorimaea operculella*****on, in New Zealand 3686*****Solanum berthaultii******Macrosiphum euphorbiae* on, trapped by hairs 5623*****Myzus persicae* on, trapped by hairs 5623*****Solanum bukasovii*, *Frankliniella tuberosi* on, in Peru 1245*****Solanum cardiophyllum*, *Leptinotarsa******deceimlineata* on 2438*****Solanum carolinense*, tobacco vein-mottling virus in, in North Carolina 460*****Solanum chacoense******Leptinotarsa deceimlineata* on 2438****development of 5875****insecticide susceptibility of 5875*****Solanum chicki*, *Leptinotarsa deceimlineata* on 2438*****Solanum elaeagnifolium******Bothynus gibbosus* on, in Texas 153*****Gratiana lutescens* on, development of 4242*****Solanum gracile*, *Plagiometriona clavata* on, in USA 7140*****Solanum melongena* (see Eggplant)*****Solanum nigrum******Coccidohystrix insolita* on, in Bihar 6178****datura enation mosaic virus in, symptoms of 907****green gram mosaic virus in, infectivity of 860*****Solanum polyadenium******Leptinotarsa deceimlineata* on, resistance to 5624*****Macrosiphum euphorbiae* on, trapped by hairs 5623*****Myzus persicae* on, trapped by hairs 5623*****Solanum sodomium*, *Gratiana lutescens* on, development of 4242*****Solanum subtilius*, *Leptinotarsa deceimlineata* on 2438*****Solanum tuberosum* (see Potato)*****Solanum tuberosum* × *S. berthaultii******Macrosiphum euphorbiae* on, trapped by hairs 5623*****Myzus persicae* on, trapped by hairs 5623*****Solanum xanthocarpum*, *Coccidohystrix insolita* on, in Bihar 6178*****Solenopsis*****control of, insecticides for 5147****in USA 5147****mirex in, residues of 5148****preyed on by, *Tyrophagus putrescentiae* 7178****rearing of, techniques for 4722*****Thelohania* spp. in, in Uruguay 3133*****Solenopsis blumi*****in Argentina 3133****in Uruguay 3133*****Solenopsis geminata*****dispersing *Tetraneura nigriabdominalis*, in Karnataka 286****in India 286, 7202****in USA 7126****preyed on by*****Calotes nemoricola*, in India 7202*****Sitana ponticeriana*, in India 7202*****Solenopsis invicta*****brood development in 3529****brood-tending pheromone in 752****colony composition in 749**

***Solenopsis invicta* contd.**

- control of
 - bait toxicants for 750
 - baits for 1866, 2696, 4199, 5990, 6608, 6980
 - crop management for 3861
 - insecticides for 1683, 2300, 5148–5149
- cuticle in, lipids in 4200
- defensive behaviour in 4197
- distribution of 2698
- feeding behaviour in 4769
- food exchange between nests of 4196
- gynandromorphism in 4202
- in Brazil 3531
- in USA 749, 1683, 2299–2300, 2696, 3533, 3861, 4196–4197, 4199, 4202, 4769, 5148–5149, 5990, 6608–6609, 6980, 7126
- in pastures
 - effects on soil and grasses of 6609
 - in Louisiana 6609
 - in Texas 5990
- in soy-bean fields
 - effects of tillage on 3861
 - in Florida 3861
- in woodland, in Texas 5990
- instar determination in, characters for 3528
- major and trace elements in 2697
- Metarhizium anisopliae* in, in Brazil 3531
- minim brood production in, utilisation of body reserves during 5259
- polygyny in 3533
- preyed on by, *Conomyrma insana*, in Florida 4197
- queens of, trace elements in 5311
- recruitment behaviour in 4769
- reproduction in, utilisation of body reserves during 5861
- reproductive system in, development and degeneration of 7076
- Thelohania* spp. in, in Brazil 3531

Solenopsis molesta

- control of, baits for 2696
- in USA 2696

Solenopsis quinquecuspis*, in Uruguay 3133**Solenopsis richteri***

- control of
 - baits for 1866, 6608, 6980
 - insecticides for 1683
- cuticle in, lipids in 4200
- distribution of 2698
- dye-sensitised photooxidations in 3533
- in Argentina 3133
- in Uruguay 3133
- in USA 1683, 2299, 6608, 6980
- mirex in, ATPase inhibition by 4556
- Thelohania* spp. in
 - in Argentina 3133
 - in Uruguay 3133

Solenopsis saevissima

- control of, insecticides for 3323
- in USA 3323
- complex of, Microsporidia in, in Brazil 3531

Solenopsis xyloni

- control of, baits for 2696
- in USA 2696, 5910
- polygyny in 5910

solidaginis, Eurosta***Solidago***

- Ceresa bubalus* on, in Czechoslovakia 4152
- control of, biological 2759

Solidago canadensis

- Ceresa bubalus* on, in West Germany 1822

Trirhabda borealis on, in Ontario 6200

T. canadensis on, in Ontario 6200

***Solidago gigantea*, *Ceresa bubalus* on, in West Germany 1822**

solidus, Platypus***solieri, Chrysobothris******solitarius, Apanteles* (see *A. melanoscelus*)****Solomon Islands**

Colocasia esculenta in, pests of 1472

Nilaparvata lugens in
natural enemies of 7261
on rice 6060

Pantorhytes biplagiatus in, on cacao 904
pest control in 3976

Xylotrupes gideon in, on *Poinciana regia* 4300

solstitiale, Amphimallon***Solvirex* (see Disulfoton)*****sommeri, Hypopholis******somniaria, Lambdina fiscellaria******somnulentella, Bedellia******sonchi, Cystiphora******sonchi, Uroleucon*, (*Macrosiphum*)*****Sonchus***

- Cystiphora sonchi* on
and biological control using 2752
in Austria 2752
in Switzerland 2752

Eucosma spp. on
and biological control using 2752
in Europe 2752

natural enemies of, for possible biological control 2752

Tephritis dilacerata on
and biological control using 2752
in Austria 2752
in Switzerland 2752

***Sonchus arvensis*, *Hyperomyzus pallidus* on, in Poland 312**

Sonchus oleraceus

- Amblyseius swirskii* on, feeding on pollen 7217
- sowthistle yellow net virus in, in Florida 458

- Sorbus yellow net virus** (see *Sowthistle yellow net virus*)
- Song**
- Acheta domestica* 6536
- Gryllus campestris* 6535
- G. pennsylvanicus* 4709
- G. veletis* 4709
- Okanagana rimosa* 5984
- Scapteriscus acletus* 6468
- S. vicinus* 6468
- Teleogryllus commodus* 2699
- sonorensis, Campoletis**
- sontica, Aeneolamia varia**
- soosi, Tipula**
- Sop, sour** (see *Annona muricata*)
- Sophora tomentosa**, *Acyrtosiphon gossypii* on, in Haryana 6809
- Sophrops plagiatus** (see *Brahmina*)
- Sophrorhinus**, taxonomy of, *Paremydica* as synonym of 2009
- Sophrorhinus divareti**, taxonomy of, synonym of *S. quadricristatus* 2009
- Sophrorhinus duvenoyi**
- in kola nuts, in West Africa 941
- on *Cola*, in West Africa 4245
- Sophrorhinus gbanjaensis**
- sp. n., description of 1409
- between-season survival in 1411
- control of 2003
- descriptions of 2009
- in Nigeria 1409, 1411, 2003, 2009
- on *Cola*
- in Nigeria 1411, 2009
- in West Africa 4245
- on *Cola nitida*, in Nigeria 2003
- secondary sexual characters in 1410
- Sophrorhinus insperatus**
- in kola nuts, in West Africa 941
- on *Cola*, in West Africa 4245
- Sophrorhinus kolae**
- in kola nuts, in West Africa 941
- on *Cola*, in West Africa 4245
- Sophrorhinus pujoli**
- in kola nuts, in West Africa 941
- on *Cola*, in West Africa 4245
- Sophrorhinus quadricristatus**
- between-season survival in 1411
- control of 2003
- in Nigeria 1411, 2003
- in kola nuts, in West Africa 941
- on *Cola* 2009
- in Nigeria 1411
- in West Africa 4245
- on *Cola nitida*, in Nigeria 2003
- taxonomy of
- characters distinguishing *S. gbanjaensis* and 1409
- Sophrorhinus divareti* as synonym of 2009
- Sophrorhinus schedli**, in kola nuts, in West Africa 941
- sorbiana, Choristoneura**
- Sorbic acid** (see 2,4-Hexadienoic acid)
- sorbillans, Exorista**
- Sorbitol** (see D-Glucitol)
- Sorbus americana**, *Pristiphora geniculata* on 910
- Sorbus aucuparia**
- Argyresthia conjugella* on, in Norway 5564
- Hymenoptera on, in West Germany 3055
- Megastigmus brevicaudis* on, in West Germany 3055
- sordens, Apamea**
- sordida, Haden**
- sordida, Osmia**
- sordidus, Acanthocoris**
- sordidus, Agriotes**
- sordidus, Cosmopolites**
- sorghicola, Contarinia**
- Sorghum** (*Sorghum bicolor*)
- Agrotis segetum* on, in Iran 1340
- Asura conferta* on, in Karnataka 4762
- Atherigona soccata* on
- effects of fertilizers on 4869, 6072
- effects of irrigation on 6072
- in India 4869, 5520
- in Maharashtra 4871, 6071-6072
- in Tamil Nadu 836-837
- in Uganda 4279
- in Uttar Pradesh 6067
- resistance to, mechanisms of 6922
- varietal preferences of 4869
- Ceratomyza fascialis* on, in Colombia 5983
- Chilo partellus* on
- in Maharashtra 4871
- in Punjab 2771
- in South Africa 5952
- resistance to 6698
- Contarinia sorghicola* on
- effects of plant spacing on 5518
- effects of planting date on 5518
- in Brazil 4870
- in California 2820, 5518
- in Karnataka 6070, 6699
- in Mississippi 2818
- in New South Wales 4868
- in Queensland 4868
- varietal preferences of 6070
- cotton insects on, in Arizona 3714
- Cryptoblabes gnidiella* on, in Uttar Pradesh 6068
- Cryptophlebia leucotreta* on, in Uganda 2084
- Diabrotica balteata* on, in Colombia 5983
- disulfoton in, toxicity of 5519, 6071
- Dysdercus koenigii* on
- in Delhi 6075
- resistance to 6075
- Euproctis virguncula* on, in Punjab 1345
- Euschistus conspersus* on, in California 6085

Sorghum contd.

- Heliothis armigera* on
in Botswana 468, 2777, 3858
in Uttar Pradesh 6069
Heliothis nuclear polyhedrosis virus in,
persistence of 6330
H. zea on
distribution pattern of 3574
in Oklahoma 3574
Hieroglyphus daganensis on, in Nigeria
5423
insect resistance in 6377
Kraussaria angulifera on, in Nigeria
1855
leaf-eating insects on, damage caused by
725
Lepidoptera on
damage caused by 4277
in Madhya Pradesh 4277
Limonijs dubitans on, development of
2491
Longiunguis sacchari on
development of 292
distribution pattern of 5521
in Japan 1971, 5521
maize dwarf mosaic virus in
aphid transmission of 4267
in France 2190
Marasmia trapezalis on 4076
Melanaphis indosacchari on 2380
M. sacchari on
damage caused by 5952
in South Africa 5952
Melanotus depressus on, development of
2491
Mocis frugalis on
damage caused by 3578
in Karnataka 3578
monocrotophos in, toxicity of 4871
Mythimna loreyi on, in Japan 6039
Nezara viridula on
in Delhi 6075
resistance to 6075
Oedaleus senegalensis on, in Nigeria
5423
Oligonychus indicus on 2819
in Rajasthan 7275
varietal preferences of 7275
O. pratensis on, in Texas 5484
Oria musculosa on 270
Ostrinia nubilalis on, in Austria 7249
Pantomorus glaucus on, in Brazil 4760
phorate in, metabolism of 3920
Phyllophaga crinita on, in Texas 6074
Prosapia bicincta on 2572
Rhopalosiphum maidis on, in Texas
7276
Saccharosydne saccharivora on,
development of 258
Schizaphis graminum on
damage caused by 1972
effects of parasites on 4797

Sorghum contd.

- Schizaphis graminum* on contd.
in Kansas 3202
in Romania 1362, 1972, 2821, 4278,
5519, 6697
in Texas 294, 2817, 7276
in Ukraine 6073
in USA 1938
parasitism of 3580
resistance to 291, 2817, 2821
sorghum red leaf disease, causal agent in,
in Philippines 2816
Tetraneura nigriabdominalis on, in
Karnataka 286
Tetranychus cinnabarinus on, in Texas
5484
T. urticae on, in Texas 5484
viruses in, techniques for studying
transmission of 7157
wheat streak mosaic virus in, not infective
3804
Sorghum, Lepidoptera on, in India 4277
Sorghum bicolor (see *Sorghum*)
Sorghum cernuum (see *Sorghum*)
Sorghum dochna, *Melanaphis indosacchari*
on 2380
Sorghum fields
predatory arthropods in
in Texas 7276
migration to cotton fields of 7276
Sorghum glauca, wheat streak mosaic virus
in, not infective 3804
Sorghum halepense
Contarinia sorghicola on
in California 5518
in Mississippi 2818
Heliothis armigera on, in Iran 1931
maize dwarf mosaic virus in
aphid transmission of 4267
infectivity of 6053
maize mosaic virus in, in Turkey 6038
Melanaphis indosacchari on 2380
Rhopalosiphum maidis on, in Texas
7276
Schizaphis graminum on
in Romania 2821
in Texas 7276
resistance to 2821
Sorghum pumela, wheat streak mosaic virus
in, not infective 3804
Sorghum red leaf disease
causal agent
in
Rhopalosiphum maidis, transmission
of 2816
sorghum, in Philippines 2816
Sorghum (stored grain)
carbon disulfide in, effects on germination
of 3798
chlorpyrifos-methyl in, residues of 6292
fenitrothion in
persistence of 1672

Sorghum (stored grain) contd.

- fenitrothion in *contd.*
- residues of 6292
- malathion in, residues of 6292
- pest control in 6234
- pests of, in Taiwan 4441
- phosphine in, effects on germination of 3798
- pirimiphos-methyl in, residues of 6292
- Sitophilus oryzae* in 1555
- insecticide susceptibility of 1025

Sorghum vulgare* (see Sorghum)**Soronia*, in stored maize, in USA 1846****Soursop (see *Annona muricata*)****South Africa**

- Abditococcus acaciae* in, on *Acacia* 553
- Ancistrotermes latinotus* in
- in dwellings 4232
- on *Eucalyptus* 4232
- Aonidiella aurantii* in 5955-5956
- on orange 6138
- Apion antiquum* in, on *Emex australis* 4241
- Baualiotes hainesi* in 1310
- Busseola fusca* in, on maize 5507, 5958
- Calacarus citrifolii* in, on *Citrus* 5945
- Chilo partellus* in 5952
- Chloropulvinaria psidii* in
- natural enemies of 16
- on *Maytenus* 16
- Chrysopa* spp. in, in cotton fields 5469
- C. zastrowi* in, in cotton fields 4223
- Cicadellidae in 13, 3995
- Coleoptera in, on *protea* 5938
- Cryptophlebia leucotreta* in
- on orange 6139
- on peach 5939
- Cydia pomonella* in
- on apple 5946
- on pear 5946
- Dactylopius austrinus* in, on *Opuntia aurantiaca* 555
- D. ceylonicus* in 555
- D. opuntiae* in
- on *Opuntia megacantha* 555
- on *Opuntia tardiospina* 555
- Dalaca rufescens* in
- in grassland 2829
- natural enemies of 2829
- Duplaspidiotus claviger* in 6804
- Ellimenistes laevis* in
- on coffee 1497
- on sugar-cane 1497
- Empoasca citrura* in 1430
- Filippia* spp. in, natural enemies of 3991
- Heliothis armigera* in, on *Phaseolus* 5962
- Hodotermes mossambicus* in 1269, 4233
- honeybees in, pests of 5954
- Hylotrupes bajulus* in, natural enemies of 3993
- Hymenoptera in 559
- Hypogeococcus* spp. in 563

South Africa contd.

- Hypopholis sommeri* in, on sugar-cane 265
- Iassomorpha cedaranus* in, on *Acacia* 810
- Imbrasia cytherea* in
- natural enemies of 559
- on *Pinus* 1506
- insecticide use in 5942
- Kotichia junodi* in, on *Acacia* 5220
- Lepidoptera in, on *protea* 5938
- light-trap grid in 1224
- Lygidolon laevigatum* in, on *Acacia* 810, 5220
- man in, organochlorine residues in 3320
- Melanaphis sacchari* in 5952
- mites in, on pineapple 2908
- Mycodiplosis hemileiae* in, on coffee 3018
- Myrmecaria natalensis* in 1265
- Opuntia* spp. in, *Cactoblastis cactorum* for biological control of 5112
- O. imbricata* in, *Dactylopius tomentosus* for biological control of 555
- O. monacantha* in, *Dactylopius confusus* for biological control of 555
- O. tunicata* in, *Dactylopius tomentosus* for biological control of 555
- orange in, pests of 4327
- Panonychus citri* in, on *Citrus* 5945
- P. ulmi* in 5949
- Paracoccus burneri* in, on passion fruit 3989
- P. larinus* in, on *Sida rhombifolia* 3989
- P. latebrosus* in, on *Acacia* 3989
- P. perperus* in, on *Anthospermum aethiopicum* 3989
- Parasaissetia litorea* in, natural enemies of 3991
- Parastizopus* spp. in 4049
- Phaspis lobulata* in, on *Acacia* 558
- Phenacoccus* spp. in 563
- Phoracantha recurva* in 5948
- P. semipunctata* in 5948
- Phthorimaea operculella* in 5951
- Phyllocoptruta oleivora* in, on *Citrus* 2030
- Planococcus citri* in, on grapevine 5943
- P. ficus* in, on grapevine 4302
- Protea barbigera* in, pests of 1500
- Proteaceae in, pests of 4387
- Psammotermes allocerus* in 1312
- Pseudotargionia anareolae* in, on *Acacia* 558
- Pulvinariella mesembryanthemi* in, natural enemies of 3991
- Saissetia* spp. in, natural enemies of 3991
- Schedorhinotermes lamanianus* in 1311
- Schizonycha affinis* in, on sugar-cane 265
- Scirtothrips aurantii* in 5955
- Sminthurus viridis* in, on *Trifolium* 967

South Africa contd.

- Sphaeraspis prieskaensis* in, on grapevine 5960
Steneotarsonemus ananas in, on pineapple 2908
Tetranychus spp. in, natural enemies of 160
T. cinnabarinus in 5949–5950
 thrips in
 on *Citrus* 5944
 on onion 5944
Tortrix capensana in 5957
Toxoptera citricida in, on *Citrus* 4912
Trinervitermes trinervoides in 808
Trioxa erytrae in
 on *Citrus* 340
 on lemon 4911
Vespula germanica in 4203
 wheat in, pests of 5958

South Australia

- Aonidiella aurantii* in, on *Citrus* 2898, 3639, 5577
Aphodius tasmaniae in, in pastures 4879
Chortocetes terminifera in 4188
Emex australis in, *Apion antiquum* for biological control of 4241
Hylurgus ligniperda in 5004
Iridomyrmex detectus in 751
I. purpureus in 1730, 3536–3537
Persectania ewingii in 4115
Sminthurus viridis in, in pastures 4879

South Carolina

- Anthonomus grandis* in, on cotton 2998
Anticarsia gemmatilis in
 natural enemies of 3822
 on soy bean 2934
Collembola in, in forests 2669
Epilachna varivestis in, on soy bean 2934, 2939
Euthyrhynchus floridanus in, in soy-bean fields 4222
 fish in, pesticide residues in 7670
Geocoris punctipes in, in soy-bean fields 4949
Haliaeetus leucocephalus in, pesticide residues in 6410
Heliothis spp. in
 food-plants of 3512
 natural enemies of 3512, 3822
Hylobius pales in, on *Pinus* 3034
Nabis roseipennis in, in soy-bean fields 4949
Pachylobius picivorus in, on *Pinus* 3034
Pieris rapae in, on cabbage 1441
Platyphena scabra in
 natural enemies of 2058, 3822
 on soy bean 2058
Plutella xylostella in, on cabbage 1441
Podisus maculiventris in, in soy-bean fields 99

South Carolina contd.

- Pseudoplusia includens* in
 natural enemies of 1590, 3127, 3821–3822
 on soy bean 2934, 3670
Solenopsis geminata in 7126
S. invicta in 749, 2300, 4769, 7126
 soy-bean fields in, predacious arthropods in 365
 soy bean in, pests of 2935
Sphenophorus callosus in, on maize 4264
S. maidis in, on maize 498
 spiders in, in soy-bean fields 4949
Stiretrus anchorago in, soy-bean fields 2474
Trichoplusia ni in
 natural enemies of 3822
 on cabbage 1441

South Dakota

- Eleodes* spp. in 2778
Embaphion muricatum in 2778
Macrosiphum avenae in, on grain crops 1344
Rhopalosiphum maidis in, on barley 1344
R. padi in, on grain crops 1344
Rhyacionia bushnellii in, natural enemies of 183
Schizaphis graminum in
 on grain crops 1344
 on sorghum 1938
Tuckerella hypoterra in, in pastures 3988

South Korea

- Aphanostigma iaksuiense* in
 natural enemies of 2017
 on pear 2017
 Aphidiidae in 3361
 aphids in 1879, 1881
Chilo suppressalis in, on rice 1361, 3279, 4273
 Coleoptera in 6556
Dryocosmus kuriphilus in 2860, 5549
 Ephemeroptera in 6556
Heliothis assulta in
 natural enemies of 4354
 on *Capsicum* 4354
 Hymenoptera in 6556
Laodelphax striatella in 3278, 4132
 on rice 1360, 2188
 Lepidoptera in, on grapevine 2002
Nephotettix cincticeps in, on rice 3279, 4273
Nilaparvata lugens in, on rice 4273
Oulema oryzae in, natural enemies of 1286
Sitophilus oryzae in, in stored wheat 2165
Sogatella furcifera in, on rice 4273
 Syrphidae in 3481
Thecodiplosis japonensis in, natural enemies of 3488
 Thysanoptera in 554

South-West Africa

Chalcis vera in 559*Eremiaspis graminis* in, on *Aristida* 558*Paracoccus* spp. in 3989Sowbug (see *Oniscoidea*)Sowthistle (see *Sonchus oleraceus*)

Sowthistle yellow net virus

in

Aphis coreopsidis, transmission of 458*Bidens pilosa*, in Florida 458*Dactynotus* spp., not transmitted 458*Hyperomyzus lactucae*, not transmitted 458

lettuce, infectivity of 458

Nicotiana spp., infectivity of 458*Sonchus oleraceus*, in Florida 458Soy bean (*Glycine max*)

acephate in, residues of 2657

Adelphocoris lineolatus on, in Iowa 3464*Agrotis segetum* on, in Iran 1340*Amrasca biguttula* on, in India 6778*Anticarsia gemmatilis* on

in Brazil 2934, 5732

in Georgia (USA) 2934

in South Carolina 2934, 3822

Aphis spp. on

in Egypt 3668

varietal preferences of 3668

A. glycines on, resistance to 723*Argyrogramma verruca* on, in Florida 4045*Aulacorthum solani* on, development of 618-619*Bemisia tabaci* on

in Brazil 154

in Egypt 3668

in India 6778

in Punjab 1458

varietal preferences of 3668

carbofuran in, residues of 6778

Ceratomyxa fascialis on, in Colombia 5983*C. trifurcata* on

distribution pattern of 2941

in Illinois 7357

in Mississippi 4341

Chaetocnema heikertingeri on, in Italy 6161*Chauliops fallax* on

in Himachal Pradesh 7348

in Madhya Pradesh 1453

Cynthia cardui on, effects on

photosynthesis of 6163

Dectes texanus on, in Missouri 865*Delia platura* on, damage caused by 4195*Diabrotica balteata* on, in Colombia 5983*D. speciosa* on, in Brazil 4761*D. undecimpunctata* on, in Illinois 5608*Diacrisia obliqua* on

damage caused by 2059

in Madhya Pradesh 863, 2059

Soy bean *contd.**Diacrisia obliqua* on *contd.*

resistance to 7358

disulfoton in, residues of 6778

Elasmopalpus lignosellus on, in Brazil 2054, 4953*Empoasca* spp. on

in Egypt 3668

varietal preferences of 3668

E. fabae on, in Iowa 3464*E. kerri* on, in India 6778

endrin in, residues of 4953

Epicauda spp. on, in Himachal Pradesh 7332*Epilachna varivestis* on

in Maryland 3672

in South Carolina 2934, 2939

resistance to 2937

Estigmene acraea on, in Colombia 3540*Euschistus heros* on, in Brazil 367

groundnut mottle virus in

in Georgia (USA) 3119

resistance to 3119

groundnut stunt virus in 3120

in Japan 867

Hedylepta indicata on, in Brazil 3675*Heliothis* spp. on

in Colombia 3540

in South Carolina 3822

H. armigera on, in Iran 1931*H. virescens* on

in Mississippi 3257

oviposition by 7393

H. zea on

in Arkansas 997

in Georgia (USA) 2923

in Mississippi 3257

in North Carolina 94, 3671

oviposition by 7393

Hippelates pusio on 2180

insect pests of

in Brazil 6779

in Quebec 5474

Lamprosema diemenalis on, in Madhya Pradesh 4951

leaf-eating insects on, damage caused by 725

Loxostege spp. on, in North America 7032*Lygus lineolaris* on, in Iowa 3464

methamidophos in, residues of 2657

Mocis spp. on, unable to develop 4283*M. undata* on, in Madhya Pradesh 4786

mung bean yellow mosaic virus in

effects on oil content of 6776

in Uttar Pradesh 4952

Myllocerus spp. on, in India 6778*M. undecimpustulatus* on

damage caused by 6160

in Uttar Pradesh 6160

varietal preferences of 6160

Soy bean contd.*Nezara viridula* on

in Brazil 367

in India 4950

Nipaeococcus vastator on, in Madhya

Pradesh 2057

Oberia brevis on

damage caused by 4340, 6160

in Madhya Pradesh 4340

in Uttar Pradesh 6160

varietal preferences of 6160

Ophiomyia phaseoli on

damage caused by 2055, 6160

in India 6778

in Indonesia 729

in Pakistan 2055

in Uttar Pradesh 6160

resistance to 723, 7358

varietal preferences of 6160

Pentatomidae on, in Brazil 1457

pest control on

in Brazil 6779

in USA 4589

pests of 5972

assessing infestations of 2935

damage caused by 2936, 6777

in Egypt 3658

in India 6777

in Malawi 7685

in USSR 1872

Phaedonia inclusa on 717, 722

resistance to 723

phorate in

metabolism of 3920

residues of 6778

Piezodorus guildinii on, in Brazil 367*Plathypena scabra* on

effects on photosynthesis of 6163

in Georgia (USA) 2923, 2934

in Iowa 1916

in Missouri 2056

in North Carolina 3671

in South Carolina 2058, 3822

in USA 7487

Plusia spp. on, in Brazil 2934*Pseudococcus* spp. on

in Egypt 3668

varietal preferences of 3668

Pseudoplusia includens on

in Florida 4045

in Georgia (USA) 3670

in South Carolina 2934, 3670, 3822

Riptortus linearis on 717, 722

resistance to 723

Scopula remotata on, in Madhya Pradesh 866*Sitona lividipes* on, development of 1371

soy bean dwarf mosaic virus in, in Brazil 154

soy bean mosaic virus in

in Brazil 154

in Punjab 1458

Soy bean contd.soy bean mosaic virus in *contd.*

in Tamil Nadu 864

soy-bean stunt virus in

in Java 6876

symptoms of 6876

Spissistilus festinus on

damage caused by 2938, 4954

allowing infection by sclerotial blight 3674

development of 6162

in Arkansas 2938

in Mississippi 4341

Spodoptera littoralis on, development of 4020, 5856*S. litura* on

in Madhya Pradesh 4787

resistance to 7358

Tetranychidae on 5995

in Iran 4746

resistance to, genetics of 2940

Tetranychus kanzawai on, in Japan 3840*T. turkestanii* on

in Bulgaria 2252

in Delaware 1927

T. urticae on

in Bulgaria 2252

in Egypt 3668

in Hokkaido Prefecture 7523

in Japan 3840

resistance to 3669

varietal preferences of 3668

Thrips tabaci on

in Egypt 3668

varietal preferences of 3668

Trialeurodes vaporariorum on, in Tamil Nadu 5632*Trichoplusia ni* on

in Missouri 2056, 6780

in South Carolina 3822

T. oxygramma on, in Florida 4045*Urbanus proteus* on, in Colombia 3540**Soy bean crinkle**, (caused by soy bean mosaic virus) 154**Soy bean dwarf mosaic virus**

in

Bemisia tabaci, transmission of 154
soy bean, in Brazil 154**Soy-bean fields**

aphids in, in Indiana 7359

arthropods in

in Philippines 3172

in Thailand 3172

Euthyrhynchus floridanus in, in South Carolina 4222

Geocoridae in

in South Carolina 2934

sampling of 2935

Geocoris punctipes in

in South Carolina 2939

in USA 4949

Soy-bean fields *contd.*

- Nabidae in
 - in South Carolina 2934
 - sampling of 2935
- Nabis capsiformis* in, in South Carolina 2939
- N. roseipennis* in
 - in South Carolina 2939
 - in USA 4949
- Podisus maculiventris* in, in South Carolina 99
- predacious arthropods in, in South Carolina 365
- Solenopsis invicta* in, in Florida 3861
- spiders in, in USA 4949
- Stiretrus anchorago* in, in South Carolina 2474

Soy-bean flour

- diet component for
 - Agrotis segetum* 6572
 - Bombyx mori* 5394
 - Diatraea saccharalis* 237, 6577
 - Heliothis zea* 3408, 6577
 - Hydraecia micacea* 1238
 - Hyphantria cunea* 965
 - Mamestra brassicae* 7068
 - M. illobis* 7068
 - Plutella xylostella* 7068
- pest control in, tricalcium phosphate for 1548

Soy-bean groats, for diverting *Harpalus rufipes* from feeding on strawberries 5541**Soy-bean hydrolysate**

- bait component for, *Rhagoletis pomonella* 1420
- culture-medium component for, *Entomophthora thaxteriana* 2194
- diet component for, *Dacus oleae* 666, 3229

Soy-bean meal

- dichlorvos in, residues of 1692
- diet component for
 - cattle, effects on insecticide residues of 3295
 - Metasyrphus corollae* 1121
- Syrphidae 1121
- in mushroom compost, effects on *Lycoriella auripila* of 1924
- Tenebrio molitor* in, development of 2422

Soy bean mosaic virus 860

- hosts of 864
- in
 - Aphis craccivora*, transmission of 864
 - A. gossypii*, transmission of 864
 - A. nerii*, transmission of 864
 - Bemisia tabaci*, transmission of 154, 1458
 - Dactynotus ambrosiae*, transmission of 7359

Soy bean mosaic virus *contd.*

- in *contd.*
 - Macrosiphum euphorbiae*, transmission of 7359
 - Myzus persicae*, transmission of 864, 7359
 - Rhopalosiphum maidis*, transmission of 7359
- soy bean
 - in Brazil 154
 - in Punjab 1458
 - in Tamil Nadu 864

Soy-bean oil

- antioxidants for 1866
- bait component for, *Solenopsis* spp. 1866
- dichlorvos in, residues of 1692
- diet component for, *Hyphantria cunea* 965

Soy-bean protein, diet component for, *Prionoxystus robiniae* 3500**Soy bean (stored seeds)**

- Callosobruchus maculatus* in, oviposition by 3781
- Cryptolestes* spp. in, development of 3096
- damage to, effects on crop production of 7346
- dichlorvos in, residues of 1692
- diet component for
 - Cydia pomonella* 3253
 - Diatraea saccharalis* 6666
- Ephestia cautella* in 1550
- development of 6460
- Graphognathus* spp. in 1692
- pests of
 - in India 6777
 - in Taiwan 4441
- phosphine in, adsorption of 2167
- Plodia interpunctella* in, development of 6460

Soy-bean stunt virus

- hosts of 6876
- in
 - Aphis craccivora*, transmission of 6876
 - A. glycines*, transmission of 6876
- soy bean
 - in Java 6876
 - symptoms of 6876

Soytone (see Peptones)**Spain**

- Aleurothrixus floccosus* in, on *Citrus* 4915, 6751
- Aonidiella aurantii* in
 - natural enemies of 2535
 - on *Citrus* 2535
- Attagenus* spp. in 3081
- A. megatoma* in, in dwellings 3081
- Cenopalpus spinosus* in 7011
- Ceratitis capitata* in 3214, 3217, 5132
- on peach 5115
- Dacus oleae* (see *A. fahrenheitii*)
- Graellsia isabellae* in, on *Pinus* 6583

Spain contd.

- Leptinotarsa decemlineata* in, on potato 7609
- Lygus pratensis* in, on lucerne 840
- Lymantria dispar* in 2248
on *Pinus* 2142
on *Quercus* 2142
- Myelophilus destruens* in, on *Pinus* 419
- Nitidulidae in 5222
- orchards in, pest control in 7537
- Orgyia trigotephra* in, on *Quercus* 3774
- Orthopteroidea in 95
- Ostrinia nubilalis* in, on maize 6684
- Paranthrene tabaniformis* in, on *Populus* 6219
- pear in, pest control on 6733
- Pegomya hyoscyami* in 2946
- Prays oleae* in, natural enemies of 6140
- Rhyacionia buoliana* in, on *Pinus* 6846
- R. duplana* in
natural enemies of 4395
on *Pinus* 1523, 4395
- Saissetia oleae* in 3641
- Tipulidae in, in pastures 7279
- Spalangia**
biology of 5998
parasitising, *Dacus* spp., in Pakistan 5998
rearing of, techniques for 5998
- Spalangia nigra**, flight activity in 4217
- Spalgius epius**
in India 4973
preying on, *Maconellicoccus hirsutus*, in Andhra Pradesh 4973
- Spallanzania hebes**
in Bulgaria 2948
in France 548
parasitising
Lacanobia oleracea
in Bulgaria 2948
in France 548
- Spanagonicus albofasciatus**
food-plants of 3714
in USA 3714
natural enemies of, in Arizona 3714
on cotton, in Arizona 3714
- Sparganothinae**, in Japan 5224
- Sparganothis pilleriana**
in USSR 313
on grape vine, in Azerbaijan 313
- Sparrow** (see *Passer*)
- Sparrow**, chipping (see *Spizella passerina*)
- Sparrow**, house (see *Passer domesticus*)
- sparsa**, *Trimerotropis*
- Spartina alterniflora**, toxaphene in, residues of 3921
- Spathimeigenia aurifrons**
in Canada 5452
parasitising, *Neodiprion swainei*, in Quebec 5452
- Spathius impus**, parasitising, *Phloeosinus dentatus* 3037
- Spathius radjabii**, parasitising, *Coraebus florentinus*, in Italy 4409
- Spathosternum prasiniferum**
development in, effects of temperature and humidity on 4751
on *Cynodon dactylon*, development of 4751
- spatulifera**, *Forcipomyia speciosa*, *Diabrotica speciosissima*, *Centrodora spectabilis*, *Dendrolimus spectabilis*, *Itoplectis alternans spectra*, *Tettigella*, (*Tettigoniella*) *spectrana*, *Clepsis Spectrobates ceratoniae* (see *Ectomyelois*) *spectrum*, *Xeris*
- Speiredonia retorta**
illustrations of 2002
in South Korea 2002
on grapevine, in South Korea 2002
- speiseri**, *Acanthoplus spermotrophus*, *Megastigmus spessivtsevi*, *Ipideurytoma speyeri*, *Mycophila*
- Sphaeraspis prieskaensis**
biology of 5960
in South Africa 5960
on grapevine, in South Africa 5960
- Sphaeraspis salisburyensis**
biology of 813
control of
crop management for 813
insecticides for 813
descriptions of 813
in Rhodesia 813
on maize, in Rhodesia 813
on *Pennisetum clandestinum*, in Rhodesia 813
on sugar-cane, in Rhodesia 813
- Sphaerolecanium prunastri** (see *Eulecanium*)
- Sphaerophoria flavicauda** (see *S. rueppellii*)
- Sphaerophoria menthastris**
in Poland 185
preying on, aphids, in Poland 185
- Sphaerophoria rueppellii**
biology of 4776
descriptions of 4776
emergence in 7105
in Czechoslovakia 7105
in Egypt 4776, 5531
in Poland 185
in cabbage fields, in Czechoslovakia 7105
in *Trifolium alexandrinum* fields, in Egypt 5531
overwintering in 7105
preying on
aphids 7105
in Poland 185
Aphis gossypii, in Egypt 4776
Brevicoryne brassicae 4776
Capitophorus elaeagni, in Egypt 4776

Sphaerophoria rueppellii* contd.**preying on *contd.**Rhopalosiphum maidis*, in Egypt 4776*Thrips tabaci* 4776Sphaerophoria sarmatica***

biology of 1877

in USSR 1877

Sphaerophoria scripta

emergence in 7105

in Czechoslovakia 7105

in Poland 185, 1352

in cabbage fields, in Czechoslovakia 7105

overwintering in 7105

parasitised by

Diadegma fenestralis, in Poland 1352*Diplazon laetatorius*, in Poland 1352*Pachyneuron umbratum*, in Poland 1352

preying on

aphids 7105

in Poland 185

Aphis gossypii 7207*Macrosiphum avenae*, in Poland 1352*Rhopalosiphum padi*, in Poland 1352*Schizaphis graminum*, in Poland 1352

pupal development in, effects on adult colour of temperature changes during 6544

Sphaerulariidae, in, insects 957**Sphecidae**

in Denmark 5369

in Fennoscandia 5369

preying on, Bombinae, in North America 3550

sphegeus*, *Sepedon**Sphегidae**, parasitising, Lepidoptera, in Hungary 4211***sphendarni*, *Etainia*, (*Nepticula*)*****sphenophori*, *Lixophaga******Sphenophorus callosus***

control of, insecticides for 4264

in USA 4264

on maize, in South Carolina 4264

Sphenophorus maidis

control of, insecticides for 498, 4558

in USA 498, 4558

on maize

in New York 4558

in South Carolina 498

Sphenoptera jugoslavica

biology of 6029

in Bulgaria 6029

in Greece 6029

in Romania 6029

in Turkey 6029

in Yugoslavia 6029

on *Centaurea diffusa*, and biological control using, in Canada 6029

taxonomy of 6029

Sphenoptera sinuosa

biology of 5938

***Sphenoptera sinuosa* contd.**

in South Africa 1500, 5938

on protea

damage caused by 5938

in South Africa 5938

on *Protea barbigera*

damage caused by 1500

in South Africa 1500

Sphingidae

acoustic interneuron responses in 1762

illustrations of 4139

in Galapagos Islands 4139

in Sardinia 1201

in USA 2320

keys to 2320

mechanocardiograms of 4157

parasitised by, *Conomorium patulum* 6221

traps for 1201

Sphingomyelins

in HeLa cells, effects of insecticides on 2309

in *Pieris brassicae* 33***Sphinx ligustri***, growth regulators in, effects of 3420, 4674***Sphrodromantis lineola***, mating behaviour in 7113***Spicaria farinosa*** (see *Paecilomyces farinosus*)***Spicaria fumosorosea*** (see *Paecilomyces fumosoroseus*)***Spicaria prasina***, taxonomy of, synonym of *Nomuraea rileyi* 952***Spicaria rileyi***, taxonomy of, transferred to *Nomuraea* 952***spicata*, *Pseudonapomyza*****Spicebush** (see *Lindera benzoin*)**Spider** (see Araneae)***Spilarctia subcarnea*** (see *Spilosoma*)***Spilochalcis flavopicta***

in USA 3678

parasitising, *Elasmopalpus lignosellus*, in Oklahoma 3678***Spilochalcis sanguiventris***

in USA 3678

parasitising, *Elasmopalpus lignosellus*, in Oklahoma 3678***Spilochalcis side***

hyperparasitising

Heliothis virescens 482*H. zea* 482*Nosema campoletidis* in, infectivity of 482parasitising, *Campoletis sonorensis* 482***Spilonota***

on apple, in Switzerland 3626

population dynamics of 3626

Spilonota laticana, parasitised by, *Chorinaeus talpa* 7018***Spilonota ocellana***

in Hungary 2012, 4211, 4307

in Poland 4306

***Spilonota ocellana* contd.**

- on apple
 - in Hungary 2012, 4211, 4307
 - in Poland 4306
- on cherry, in Poland 4306
- on fruit trees, in Europe 7552
- on medlar, in Hungary 2012, 4307
- on pear
 - in Hungary 2012, 4211, 4307
 - in Poland 4306
- on plum, in Poland 4306
- on quince, in Hungary 4211, 4307
- parasites of, in Hungary 4211
- parasitised by, *Agathis cingulipes*, in Hungary 2012

Spilosoma lubricipeda

- emergence in, prediction of 87
- in UK 87

Spilosoma luteum

- emergence in, prediction of 87
- in UK 87

Spilosoma subcarnea, cytoplasmic polyhedrosis virus in, infectivity of 2192***Spilostethus pandurus***

- defensive secretion of 5874
- food preferences of 5874
- in Iran 3808
- in Sudan 5874

Nematospora coryli in, in Iran 3808

Spinacea oleracea* (see Spinach)*Spinach (*Spinacea oleracea*)**

- Agrotis ipsilon* on, development of 4553
- Autographa gamma* on, in Egypt 4182
- carbaryl in, residues of 4331
- cucumber mosaic virus in, infectivity of 5069
- Delia echinata* on, in Czechoslovakia 5405
- diazinon in, residues of 4331
- Empoasca decipiens* on, in Bulgaria 3510
- insect pests of, in Quebec 5476
- malathion in, residues of 4331
- Nausinoe perspicata* on, in Pakistan 1893
- parathion in
 - metabolism of 1059
 - residues of 1052
- pests of, in Saga Prefecture 5617
- Syngrapha circumflexa* on, in Egypt 4182

Spinach beet (*Beta vulgaris* var. *cicla*)

- Loxostege* spp. on, in North America 7032

spinator*, *Pristomerus**Spindle (see *Euonymus europaeus*)*****spinidens*, *Andrallus******spinidens*, *Ips*, (*Pityokteines*)*****spiniferus*, *Aleurocanthus******spiniferus*, *Amitus******spinipes*, *Zabrus******spinipes*, *Zethus******spinosa*, *Youngaia******spinosissima*, *Peridontopyge******spinosus*, *Cenopalpus******spinosus*, *Eccoptopterus******spinosus*, *Jalysus******spinosus*, *Rastrococcus******spinosus*, *Thrips***

- Spinterus linearis*, parasitising, *Apion* spp., in Europe 841

Spirachthodes madecassus, associated with *Kaudernitermes kaudernianus* 1920***spiraecola*, *Aphis* (see *A. citricola*)*****spiraephaga*, *Aphis******Spiroplasma citri***

in

Cicadellidae, persistence of 5722

Membracidae, persistence of 5722

Neotalitrus tenellus

in California 945

isolation of 3118

transmission of 5722

orange, leafhopper transmission of 3118

Scaphytopius nitridus, transmission of 3118, 5722

Vinca rosea, leafhopper transmission of 3118

spirothecae*, *Pemphigus***Spiruridae***, in, insects 2732***Spissistilus festinus***

control of, insecticides for 4341

in USA 2938, 4341

on *Cyperus esculentus* 6162

on *Sida spinosa* 6162

on soy bean

damage caused by 2938, 4954

allowing infection by sclerotial blight 3674

development of 6162

in Arkansas 2938

in Mississippi 4341

on *Xanthium pensylvanicum*, development of 6162

Spiroplasma citri in, persistence of 5722

Spizella passerina, preying on,

Choristoneura pinus, in Michigan 920, 3479

splendana*, *Cydia*, (*Laspeyresia*)**splendida*, *Petrova* (see *P. gemmeata*)*****splendidella*, *Dioryctria* (see *D. sylvestrella*)*****Spodoptera***

distribution maps for 733

keys to 564

literature on 733

on cotton, in Venezuela 2091

on rice, in Papua New Guinea 4852

preyed on by, *Calotes versicolor* 5094

research on 4743

Spodoptera capicola* (see *S. cilium*)**Spodoptera cilium***

in Rhodesia 564

traps for 564

Spodoptera eridania

- control of, insecticides for 697, 699, 1023
- in Chile 699
- in Peru 697, 1375
- on lucerne
 - in Chile 699
 - in Peru 1375
- on *Vicia faba*, in Peru 697
- traps for 1375

Spodoptera exempta

- biology of 4247
- egg-hatch in, effects of laboratory rearing on 4098
- feeding behaviour in 5904
- flight in 2507
- forecasting infestations of 6596
- in Kenya 1089, 2647, 3355
- in Rhodesia 564, 4247
- in Tanzania 2647, 3355
- in Uganda 2647
- in grassland
 - forecasting infestations of 2647
 - in East Africa 2647
- migration in 2507, 2646-2647
- on cassava, feeding by 5904
- on grain crops
 - forecasting infestations of 2647
 - in East Africa 2647
- on grasses, in Rhodesia 4247
- on maize, feeding by 5904
- on oats, in Rhodesia 4247
- parasites of, in Rhodesia 4247
- parasitised by, *Geron exemptus*, in Kenya 1089
- rearing of, diets for 4173
- relation between atmospheric environment and 1173
- sex pheromone of 2407
- styloconic sensilla in 5904
- traps for 564, 1224, 2647

Spodoptera exigua

- amino acids in haemolymph of 1753
- Bacillus thuringiensis* in, effects of food-plant on susceptibility to 4459
- biology of 5641, 6777
- chromosomes in 2452
- control of
 - Bacillus thuringiensis* for 3855, 6182
 - insecticides for 3904, 4923, 4932, 5641
- cytoplasmic polyhedrosis virus in, in California 472
- development in
 - effects of larval group size on 2518
 - effects of photoperiod and temperature on 2518
 - effects of weather on 1377
- embryonic development in 1780
- emergence in, relation of lunar phase and 4364
- eyes in 4009
- feeding behaviour in 2936
- flight activity in 4018, 4725

***Spodoptera exigua* contd.**

- food-plants of 3714
 - granulosis virus in
 - enzyme synergist for 2240
 - in California 472
 - in Egypt 3690, 4018, 4364
 - in India 4932, 6777
 - in Mexico 1164
 - in Rhodesia 564
 - in USA 142, 472, 898, 1377, 2452, 3714, 3904, 4725, 4923
 - in USSR 2518, 3856, 6182
 - in Yemen 5641
 - insecticide susceptibility in
 - in California 3904
 - in Florida 3904
 - mating competitiveness in, effects of γ -irradiation on 3237
 - migration in 2611
 - natural enemies of, in Arizona 3714
 - Nomuraea rileyi* in, pathogenicity of 7487
 - nuclear polyhedrosis virus in
 - enzyme synergist for 2240
 - in California 472
 - pathogenicity of 6346
 - properties of 6895
 - on cabbage, in Rajasthan 4932
 - on celery, in Florida 4923
 - on cotton
 - damage caused by 898, 5641
 - in Arizona 3714
 - in California 898
 - in Egypt 4018, 4364
 - in Uzbekistan 6182
 - in Yemen 5641
 - on lucerne
 - in Arizona 1377
 - in California 472
 - on soy bean
 - damage caused by 2936, 6777
 - in India 6777
 - on tomato, in Egypt 3690
 - oviposition in, relation of lunar phase and 4364
 - parasitised by, *Therion circumflexum* 1889
 - preyed on by, *Lygus hesperus* 6566
 - rearing of
 - diets for 5923
 - techniques for 3503
 - seasonal abundance of 3690
 - sterilisation of, γ -irradiation for 3237
 - traps for 142, 564, 1164, 4725
- Spodoptera frugiperda***
- cell cultures from, media for 3817
 - control of
 - Bacillus thuringiensis* for 3853
 - insecticides for 699, 703, 2092, 4266, 4558, 4838, 4843, 5498
 - digestive system in 565
 - eyes in 4009

***Spodoptera frugiperda* contd.**

- flight activity in, effects on lipids of 100
- granulosis virus in, control of 2204
- in Brazil 1884
- in Canada 1176
- in Chile 699
- in Colombia 3540
- in Guatemala 4838
- in Mexico 703, 1164
- in Peru 156
- in Puerto Rico 1975
- in USA 1176, 4260, 4266, 4558, 4725, 4843, 5498
- in Venezuela 2092
- migration in 1176
- nuclear polyhedrosis virus in
 - infectivity of 6333
 - propagation of 3817
- on cotton, in Venezuela 2092
- on grasses, in Puerto Rico 1975
- on lucerne, in Chile 699
- on maize
 - damage caused by 4838
 - in Antilles 3853
 - in Colombia 3540
 - in Florida 4843, 5498
 - in Georgia (USA) 4260
 - in Guatemala 4838
 - in Mexico 703
 - in New York 4266, 4558
- parasitised by
 - Archytas apicifer* 3621
 - Ophion flavidus*, in Brazil 1884
 - Phoridae, in Colombia 3540
 - Tachinidae, in Colombia 3540
- traps for 1164, 4725

Spodoptera littoralis

- aggregation in 4370
- alkaloids in, toxicity of 5184
- amino acids in, effects of dietary sugars on 1119
- Bacillus thuringiensis* in, effects of food-plant on susceptibility to 4459
- γ -BHC susceptibility in, effects of soil moisture and temperature on 2288
- Borrelinavirus littoralis* in, development of infection with 961
- cannibalism in 1171
- carbaryl in, effects of 5797
- chlorpyrifos resistance in, in Turkey 7566
- control of
 - antifeedants for 1485, 4974–4975, 5767
 - Bacillus thuringiensis* for 961, 1637, 3171
 - baits for 1376, 3288
 - evaluation of 2094
 - growth regulators for 4365, 7570

***Spodoptera littoralis* contd.**

- control of contd.
 - insecticides for 961, 1024, 1637, 2094, 2287–2288, 2546, 3666, 3895–3896, 3899, 3961, 4358, 4550, 4976, 4982, 5179–5182, 5773, 7566, 7614, 7654
 - JH mimics for 2287, 2446, 3171
 - ovicides for 1666
 - traps for 1809, 6527
 - use of sex pheromone in 3256
- descriptions of 568
- development in
 - effects of food-plant on 5254
 - effects of photoperiod on 4126
 - effects of temperature and humidity on 3466
 - parameters for investigating food-plant suitability for 4020
- digestive enzymes in, effects of antifeedants on 1074
- egg-hatch in, effects of growth regulators on 4671
- egg production in, effects of insecticides on 3267
- emergence in
 - effects of photoperiod on 5354
 - effects of temperature on 4080
 - relation of lunar phase and 4364
- endrin in, effects of 5797
- endrin resistance in, in Egypt 5181
- enzymes in, effects of dietary sugars on 1119
- farnesane derivatives in, growth-regulator activity of 6939
- fecundity in
 - effects of growth regulators on 4671
 - effects of temperature on 4080
- feeding behaviour in, effect of temperature on 3403
- feeding responses in, to amino acids from cotton leaves 2088
- fertility in, effects of parental sterilisation on 2462
- flight activity in 4018
- food-plants of 4020
- growth regulators in, cross-resistance to 7651
- hemocytes in 6493
- in China 5403
- in Cyprus 1809, 3256, 3971
- in Egypt 568, 1485, 1912, 2094, 2546, 2579, 3501, 3666, 3690, 3895, 4018, 4355, 4358–4359, 4363–4365, 4974–4976, 5181–5182, 5403, 5506, 5645, 7614
- in India 6886
- in Israel 1376, 2376, 2472, 4370
- in Pakistan 5399
- in Rhodesia 564
- in Turkey 7566
- in USSR, importation of 5403
- in Zambia 4982

***Spodoptera littoralis* contd.**

- insecticide resistance in
 - in Cyprus 3971
 - in Egypt 7614
- insecticide susceptibility in
 - effects of exposure time on 4550
 - effects of food-plant on 1024
 - effects of formulation on 7653
 - effects of gossypol on 1488
 - effects of temperature on 5179
 - effects of test method on 7653
- JH mimics in, effects of 1132-1133
- leptophos in, excretion of 6396
- life-span in 6527
 - effects of temperature on 4080
- methamidophos resistance in, in Turkey 7566
- methyl-parathion in, effects of 5797
- midgut in, effects of γ -irradiation on 3429
- monocrotophos in, excretion of 6396
- monocrotophos resistance in, in Turkey 7566
- mortality in 622, 1817
- nuclear polyhedrosis virus in, in India 6886
- on cabbage, development of 3439, 5254
- on *Capsicum*, in Egypt 3690
- on cotton 1898
 - assessing infestations of 3501
 - development of 3439
 - distribution pattern of 2094, 4359, 4976, 5645
 - feeding by 3403
 - forecasting infestations of 4363
 - in Egypt 1485, 2094, 2546, 3501, 3895, 4018, 4358-4359, 4363-4365, 4974-4976, 5506, 5645, 7614
 - in Israel 4370
 - in Pakistan 5399
 - in Turkey 7566
 - in Zambia 4982
 - resistance to 895
- on grapevine, development of 5254
- on lucerne, in Israel 1376
- on mallow, development of 3439
- on okra, development of 3439
- on *Phaseolus mungo*, development of 5856
- on *Ricinus communis* 3171, 3267
 - development of 622, 668, 3439, 3466, 5254
 - feeding by 3403
 - rearing of 895
 - susceptibility to growth regulators of 4671
- on sesame, in Egypt 4355
- on soy bean, development of 5856
- on sunflower, in Egypt 4355
- on sweet potato, development of 3439, 3466, 5254

***Spodoptera littoralis* contd.**

- on tomato
 - in Egypt 3666, 3690
 - in Pakistan 5399
 - on *Trifolium*, development of 5254
 - on *Trifolium alexandrinum*, in Egypt 5506
 - on *Vigna unguiculata*
 - development of 3439
 - in Egypt 3666
 - oviposition in 5645
 - relation of lunar phase and 4364
 - parasites of, in Israel 1376
 - parasitised by
 - Chelonus inanitus*
 - in Egypt 1912
 - in Israel 2376
 - Telenomus remus* 793
 - and biological control using, in Israel 2472
 - parathion in, excretion of 6396
 - phagostimulants for, bioassay of 2670
 - pheromones in 3376
 - phorate susceptibility in, effects of soil moisture and temperature on 2288
 - phosfolan in, excretion of 6396
 - phosfolan resistance in, in Turkey 7566
 - plant growth regulators in
 - effects of 5767
 - effects on development of 7667
 - population structure of 1817
 - preyed on by
 - Cybocephalus micans* 2721
 - Labidura riparia* 1898
 - Paederus alfieri*, in Egypt 5506
 - Scymnus interruptus* 179
 - radar cross-section of 1177
 - rearing of, diets for 138, 668
 - reproduction in 6527
 - effects of food-plant on 5254
 - effects of JH mimics on 2287
 - scent glands in 3376
 - seasonal abundance of 3690
 - sex pheromone of 62-63, 5871
 - sterilisation of
 - chemosterilants for 1793
 - γ -irradiation for 2462
 - low temperatures for 4080
 - sugars in, ingestion and excretion of 4650
 - taxonomy of, characters distinguishing *S. litura* and 568
 - traps for 564, 1224, 1809, 2579, 3256, 4370
 - trichlorphon resistance in, in Egypt 5181
- Spodoptera litura***
- attractants for 5823
 - Bacillus thuringiensis* in
 - effects of 886
 - resistance to 6343
 - biology of 1239, 6194, 6777
 - bloating disease of 6327

***Spodoptera litura* contd.**

- carbamates in, fate of 5785
- control of
 - antifeedants for 3347, 3349, 4551, 5217
- Bacillus thuringiensis* for 886, 2239, 3849
- baits for 4095
- insecticide-virus mixtures for 6889
- insecticides for 859, 885, 2099, 2291, 4095, 4541, 4932
- integrated 1473
- mating disruption for 5872
- Neoplectana carpocapsae* for 4783
- cytoplasmic polyhedrosis virus in, infectivity of 2192
- DDT analogues in, metabolism of 7089
- descriptions of 568
- development in 861
- dispersal of 5524
- egg-hatch in 633
- ENP in, metabolism of 7089
- enzymes in 1112
- fecundity in 629
- feeding behaviour in 4095
- flight activity in 640
- food preferences of 2045
- haemolymph in 886
- in Australia 225, 568, 6193–6194
- in India 885–886, 2045, 2099, 3730, 4787, 4932, 5429, 6777, 6886
- in Japan 98, 140, 568, 669–671, 1473, 1747, 2245
- in Malaysia 861
- in Philippines 859
- in Solomon Islands 1472
- in Taiwan 568, 4226
- in USSR, importation of 5403
- insecticide resistance in, effects of food-plant on 1112
- integument in 886
- mating competitiveness in, effects of γ -irradiation on 76, 1152
- mating in 98
 - effects of age on 2487
- spermatophore transfer during 4023
- migration in 4095
- Nosema mesnili* in 2236
- nuclear polyhedrosis virus in
 - and biological control using, in Japan 2245
 - effects of 488, 3152, 6889
 - effects on hemocytes of 2243, 6340
 - effects on hemolymph carbohydrate level of 6508
- in India 6886
- infectivity of 2239
- morphology of 6886
- pathogenicity of 2239
- properties of 6888, 6895
- on cabbage, in Rajasthan 4932
- on cauliflower, in Uttar Pradesh 2045

***Spodoptera litura* contd.**

- on Chinese cabbage 632
 - on *Colocasia*, in Japan 1473, 2245
 - on *Colocasia esculenta*, in Solomon Islands 1472
 - on *Duboisia leiccharidia*, in Queensland 225
 - on *Duboisia myoporoides*, in Queensland 225
 - on *Gladiolus*, in Karnataka 5429
 - on *Nicotiana*, resistance to 2098
 - on *Phaseolus aureus*
 - in Malaysia 861
 - in Philippines 859
 - on radish 2045
 - on *Ricinus communis* 3349
 - development of 4785
 - in Tamil Nadu 885–886
 - rearing of 1239
 - on rose, in Tamil Nadu 3730
 - on soy bean
 - damage caused by 6777
 - in India 6777
 - in Madhya Pradesh 4787
 - resistance to 7358
 - on tobacco
 - in Gujarat 2099
 - in Queensland 6193–6194
 - resistance to 2098
 - on *Vigna unguiculata* 632
 - oviposition in 633
 - parasitised by
 - Chelonus heliopae* 4785
 - Pimpla instigator* 6006
 - Tetrastichus israeli* 6640
 - phototaxis in 632
 - predators of, in Japan 1473
 - preyed on by
 - Cantheconidea furcellata* 4227
 - in Madhya Pradesh 4787
 - in Taiwan 4226
 - Podisus maculiventris* 2723
 - rearing of, diets for 1239
 - sex pheromone of 62–63, 1778, 5872
 - production of 603
 - sex-ratio in 633
 - sexes of, wing characters for distinguishing 7045
 - sexual behaviour in, diurnal activity of 603
 - spermiogenesis in, effects of ecdysones on 5305
 - sterilisation of, γ -irradiation for 615
 - taxonomy of, characters distinguishing *S. littoralis* and 568
 - testes in, development of 1126
 - traps for 98, 140, 640, 662, 669–671, 1747, 5360
- Spodoptera mauritia***
- control of, insecticides for 717, 1951
 - dispersal of 5524
 - in Malaysia 1302, 1951

Spodoptera mauritia *contd.*

- nuclear polyhedrosis virus in
 - effects on hemolymph proteins of 4032
 - heat and sunlight sensitivity of 5074

- on rice 717

- in Malaysia 1951

- in Sarawak 1302

- resistance to 723

- parasitised by

- Cuphocera varia*, in Sarawak 1302

- Palexorista lucagus*, in Sarawak 1302

- Pseudogonia rufifrons*, in Sarawak 1302

- Vulgichneumon* spp., in Sarawak 1302

- rearing of, techniques for 721

Spodoptera mauritia acronyctoides (see *S. mauritia*)**Spodoptera ornithogalli**, digestive system in 565**Spodoptera trituratora**

- in Rhodesia 564

- traps for 564

Spoggosia media

- in Yugoslavia 5479

- parasitising, *Calophasia casta*, in Yugoslavia 5479

Spondias dulcis, *Podontia*

- quattuordecimpunctata* on, in West Bengal 7327

Spondias mombin, *Anastrepha bahiensis* on, in Trinidad 2667**Spondias pinnata**, *Podontia*

- quattuordecimpunctata* on, in West Bengal 7327

Spondyliaspis, on *Eucalyptus blakelyi*, in Australia 4400**spongiosus**, *Tegolophus***Sporozoa**

- in

- Diabrotica longicornis* 2794

- D. virgifera* 2794

Sprays 7687

- assessment of deposits from 2140

- determination of deposition from 3952

- droplet size range in 437

- equipment for 1624-1625

- battery-powered ULV 7519

- nozzles 2249

- partially screened spinning disc nozzles 7585

- recycling ULV sprayer 3594

- spray nozzle for reduction of drift 3184

- testing of 1619, 1623, 1626

- ULV 5178

- performance of, techniques for evaluating 1621-1623

- techniques for

- controlled droplet application 7584

- estimation of volume median diameter of spray spectrum 118

Sprays *contd.*

- techniques for *contd.*

- ULV 389, 1629, 4377, 7506,

- 7509-7510, 7512

- pesticide formulations for 2247

- use of

- drift resulting from 1050, 1616, 1618, 2249, 2991, 5962

- effects of weather on 2246

Spriaea ulmaria, *Acleris latifasciana* on, in Yugoslavia 4591**Spruce** (see *Picea*)**Spruce, black** (see *Picea mariana*)**Spruce budworm** (see *Choristoneura fumiferana*)**Spruce, Colorado blue** (see *Picea pungens*)**Spruce, eastern** (see *Picea orientalis*)**Spruce, Engelmann** (see *Picea engelmannii*)**Spruce, Norway** (see *Picea abies*)**Spruce, oriental** (see *Picea orientalis*)**Spruce, Serbian** (see *Picea omorika*)**Spruce, Sitka** (see *Picea sitchensis*)**Spruce, white** (see *Picea glauca*)**Spudaea rutilicilla**

- in Italy 919

- on *Quercus suber*, in Italy 919

- population dynamics of 919

spumarius, *Philaenus***sputator**, *Agriotes***Squash** (including crookneck, cushaw,

- marrow, and pumpkin; see also

- Cucurbita maxima*, *C. moschata*, and *C. pepo*)

- Aphis gossypii* on, insecticide susceptibility of 4934

Delia platura on

- damage caused by 4195

- in New York 4557

Diabrotica speciosa on, in Brazil 4761

- Henosepilachna vigintioctopunctata* on, in India 1299

Hylemya platura on, oviposition by 3457

- Mycetaspis personata* on, development of 1381

- Opogona sacchari* on, development of 6201

- Palpita hyalinata* on, in Antilles 3853

- Tetranychus cucurbitacearum* on, in Egypt 1445

Squash (stored seeds), *Plodia interpunctella* in, in Bulgaria 2166**SRA-12869** (see Isufenphos)**Sri Lanka**

- aphids in 2355

- Arrhenophagus albitibiae* in 3362

- Brevipalpus californicus* in, on tea 1498

- Calacarus carinatus* in, on tea 1498

- Dactylopius ceylonicus* in, on *Opuntia* 555

- D. opuntiae* in, on *Opuntia* 555

- Dorylus orientalis* in 6610

- Lepidoptera in, natural enemies of 5450

Sri Lanka contd.

- Oligonychus coffeae* in, on tea 1498
Pachytiplosis oryzae in, on rice 536
 pesticide use in 536
 rice stem-borers in 1958
Saccharicoccus sacchari in
 natural enemies of 817
 on sugar-cane 817
 tea in, pests of 404
Tropidocephala serendiba in 4209
Xyleborus fornicatus in, on tea 404
- stabulans, Muscina**
stachydearum, Eupteryx
Stagmatophora serratella (see *Eteobalea*)
stammeri, Eriopeltis
Stannane, (acetyloxy)triphenyl- (see Fentin acetate)
Stannane, chlorotriphenyl- (see Fentin chloride)
Stannane, cyclohexylhydroxyoxo-,
 determination of 122
Stannane, dichlorodiphenyl-
 in *Tribolium confusum*
 effects of carbohydrates and proteins on
 activity of 2399
 effects on digestive enzymes of 2399
Stannane, dicyclohexyloxo-
 in apples, determination of 122
 in grapes, determination of 122
 in strawberries, determination of 122
Stannane, hydroxytriphenyl- (see Fentin hydroxide)
Stannane, tetraphenyl-
 in *Tribolium confusum*
 effects of carbohydrates and proteins on
 activity of 2399
 effects on digestive enzymes of 2399
Stannane, trichlorophenyl-
 in *Tribolium confusum*
 effects of carbohydrates and proteins on
 activity of 2399
 effects on digestive enzymes of 2399
Stannane, tricyclohexylhydroxy- (see Cyhexatin)
Stannate(1-), bromochlorotriphenyl-,
 decyltriphenylphosphonium, antifeedant
 for, *Spodoptera littoralis*, on cotton
 1485
- Staphylinidae**
 in barley fields, in UK 4254
 in cauliflower fields 3327
 in clover fields, in Egypt 3602
 in grain fields, effects of insecticides on
 6040
 in lucerne fields, in Egypt 3602
 in pine forests, in Ukraine 6220
 in potato fields, effects of insecticides on
 3311
 in rape fields, effects of insecticides on
 3311
 in sugar-beet fields, effects of insecticides
 on 370, 3311

Staphylinidae contd.

- in wheat fields, in UK 4254
 insecticides in, effects of 5806
 parasitising, *Ceratitis coffeae*, in Uganda
 1496
 preying on
 aphids
 in Poland 370
 in UK 4254
 bark beetles
 in Russian Republic 6841
 in USSR 6627
Delia spp., in Switzerland 5593
Hylemya brassicae, in Poland 4782
Scotinophara coarctata, in Malaya
 4853
 rearing of, techniques for 1219
 traps for 370
- Staphylinioidea**, preying on, *Ephestia kuehniella* 4712
- Staphylinus**, in pine forests, in Ukraine
 6220
- Staphylinus olens**
 in USSR 3738
 preying on
 Geometridae, in USSR 3738
 Helix aspersa, and biological control
 using, in California 4784
- Staphylococcus**, in, *Galleria mellonella* gut
 7066
- Staphylococcus aureus**, in, *Pieris brassicae*,
 interactions of spherule cells and 4464
- Star-burr** (see *Acanthospermum hispidum*)
- Starch**
 diet component for
 Choristoneura fumiferana 3031
 Cydia pomonella 3253
 in *Basidiobolus ranarum*, effects on
 growth and sporulation of 6879
 in *Conidiobolus osmodes*, effects on
 growth and sporulation of 6879
 in *Costelytra zealandica* diet, utilisation of
 2828
 in *Entomophthora*, effects on growth and
 sporulation of 6879
 in *Gilpinia hercyniae* and spruce needles
 4407
 in *Locusta migratoria*, digestion of 1852
 in Psyllid lerps 7049
 in sesame, effects of *Asphondylia sesami*
 on 2979
 in wheat, relation of insect damage and
 2780
Tribolium destructor in, oviposition by
 6305
- starki, Chelonus**
starki, Coleotechnites
Starling (see *Sturnus vulgaris*)
- Starvation**
 in *Bombyx mori*, glycine incorporation
 and respiratory metabolism during
 6476

Starvation *contd.*

- in *Sitophilus granarius*, effects of rearing conditions on 5930

Statistical methods

- addition of host refuge to host-parasite interaction models 1196
- for calculation of LD₅₀ in insect pathology and toxicology 1217
- for calculation of LT₅₀ in insect pathology and toxicology 1218
- for effects of prey consumption on increase of predator 2716
- for estimates of dry weight of insects based on length 6559
- for estimating development times in stored-product insects 1216
- for estimating oil-seed crop damage 5596
- for estimating population size from samples 1829
- for studying population dynamics 5362
- for the determination of mating competitiveness 1791
- linear regression equations for catches of light-traps 110
- mathematical models and computer programmes for solving problems in plant protection 1215
- mathematical models and computer simulation of insect control 3223
- model for cotton growth and development 898
- model of egg distribution of solitary insect parasites 115
- model of predator responses to changes in prey density 2533
- multivariable analysis for effects of insecticides on cotton yields 2558
- Stauropus alternus** (see *Neostauropus*)
- Stearic acid** (see Octadecanoic acid)
- Steatococcus**, population dynamics of 6197
- Steelhead** (see *Salmo gairdneri*)
- Stegasta basqueella**
 - control of, insecticides for 4956
 - in Brazil 4956
 - in USA 3678
 - on groundnut
 - damage caused by 4956
 - in Brazil 4956
 - in Oklahoma 3678
 - parasites of, in Oklahoma 3678
- Stegobium paniceum**
 - control of
 - growth regulators for 5768
 - insecticides for 5798
 - plant extracts for 5057
 - extracts of
 - repellent for
 - Callosobruchus chinensis* 3095
 - Tribolium castaneum* 3095
 - food preferences of 6227
 - fungi in 6227
 - in India 5399

Stegobium paniceum *contd.*

- in milk powder, development of 7459
- in packaging materials, resistance to 454
- in stored mushrooms, in India 5399
- in stored wheat, effects of dockage on 5054
- in wheat flour 3095
- preyed on by, *Tribolium castaneum* 4433
- Steinernematidae**, in, insects 957
- steinwedeni**, *Acaphylla* (see *A. theae*)
- Stelidota**, in stored maize, in USA 1846
- Stelidota geminata**
 - biology of 2475
 - descriptions of 2475
 - in USA 2475
 - on peach 2475
 - on strawberry 2475
- Stellaria media**
 - Amblyseius swirskii* on, feeding on pollen 7217
 - aphids on, in UK 3679
 - Gastrophysa atrocyanea* on, development of 2753
- stellifera**, *Vinsonia*
- Stem borers**
 - control of, insecticides for 714, 716, 719
 - on rice
 - in Indonesia 714, 716
 - in Java 719
 - in Orissa 1357
 - resistance to 1357
- Stemmatomerinx**
 - on grasses, in USA 6702
 - taxonomy of 6702
- Stempellia scolyti**, in, *Scolytus scolytus*, in Yugoslavia 5731
- Stenachroia elongella**
 - in India 4277
 - on *Sorghum*, in India 4277
- Stenelodes**, defensive behaviour in 2403
- Stenella**
 - in
 - grapefruit, in Surinam 2893
 - orange, in Surinam 2893
- Steneotarsonemus ananas**
 - biology of 2908
 - control of, acaricides for 2908
 - in South Africa 2908
 - on pineapple, in South Africa 2908
- Steneotarsonemus laticeps**
 - control of
 - acaricides for 5411
 - fumigants for 7407
 - in UK 5411, 5655, 7407
 - in narcissus bulbs
 - in England 5411
 - in Scotland 5655
 - on narcissus
 - damage caused by 7407
 - in UK 7407
- Sclerotinia narcissicola** in, transmission of 5655

- Stenotarsonemus pallidus*** (see *Tarsonemus*)
Stenotarsonemus pashini
 biology of 6675
 control of, cultural measures for 6675
 in USSR 6675
 on grasses, in USSR 6675
 on oats, in USSR 6675
 on wheat
 damage caused by 6675
 in Kazakhstan 6675
 in RSFSR 6675
- steniella, Bissetia***
Stenocoris apicalis
 in Sierra Leone 833
 on rice, in Sierra Leone 833
- Stenocranophilus quadratus***
 in Jamaica 241
 parasitising, *Saccharosydne saccharivora*,
 in Jamaica 241
- Stenocranus major***, rice giallume virus in,
 not transmitted 7250
- Stenocranus minutus***
 biology of 4282
 in UK 4282
 on *Dactylis glomerata*, in England 4282
 wing polymorphism in 4282
- Stenodema calcaratum***, in Bulgaria 5374
- Stenodiplosis bromicola*** (see *Contarinia*)
- stenoferus, Nabis***
- Stenolophus comma***
 in Canada 1054
 insecticides in, toxicity of 1054
 traps for 1054
- Stenomalina muscarum***
 in Poland 1479
 parasitising, *Ceutorhynchus assimilis*, in
 Poland 1479
- stenoptera, Coryphosima***
- stenopterus, Corynothrips***
- Stenotaphrum secundatum***, *Blissus insularis*
 on, in Florida 2822
- Stenus***, in pine forests, in Ukraine 6220
- Stephanitis takeyai***
 biology of 2119
 in USA 2119
 on *Pieris floribunda*, in Connecticut
 2119
 on *Pieris floribunda* × *P. japonica*, in
 Connecticut 2119
 on *Pieris japonica*
 damage caused by 2119
 in Connecticut 2119
- Stephanitis typica***
 coconut root (wilt) disease, causal agent
 in, transmission of 7288
 in India 7288
 in Thailand 1200
 on banana, in Thailand 1200
 on coconut, in India 7288
 on oil palm, in India 7288
- Stephanoderes polyphagus*** (see
Hypothenemus)
- Sterchulia diversifolia***, *Icerya purchasi* on,
 in Egypt 3567
- stercoraria, Scatophaga***
- stercorea, Ancylostomia***
- stercorea, Typhaea***
- Sterile-insect release** 2639, 3161, 4519,
 5124
 against
 Adoxophyes orana 7555
 Anastrepha suspensa 3218, 5129
 Anthonomus grandis 3213, 3397, 3426
 Ceratitis capitata 492-493, 673, 1647,
 3213-3214, 3217, 3222, 3871, 3971,
 4149, 5115, 5126-5127, 5130-5133,
 7544
 Cochliomyia hominivorax 3213
 Cydia pomonella 1788, 2880, 4902,
 5761, 6114, 7303, 7554
 Dacus cucurbitae 5127
 Delia antiqua 5135
 Dysdercus cardinalis 3240
 Gonocerus acutaeangulatus 3246
 Heliothis zea 1225, 4839
 Hylemya antiqua, on onion 3968
 Manduca sexta 6192
 Nephotettix cincticeps 2807
 Pectinophora gossypiella, on cotton
 4367
 pests of apple 6730
 Plodia interpunctella 1124
 Rhagoletis cerasi 3225, 4909, 5134
 Tribolium castaneum 6243
 T. confusum 6243
 biological models for 7153
 economics of 3220-3221
 models of 3489
- Sterile-male technique**, against,
Tetranychidae 4185
- sternodontis, Sarcodexia***
- Steroids**
 hydroxy
 culture-medium component for,
 Antheraea eucalypti cells 38
 Galerucella griseascens feeding responses
 to 586
 in *Bombyx mori*, inhibitors of
 metabolism of 5260
 in *Carya glabra*, seasonal changes in
 5307
 in insect diets 139
 in insects, effects of gut symbionts on
 5859
 in *Quercus falcata*, seasonal changes in
 5307
 in *Solenopsis invicta* cuticle 4200
 in *Solenopsis richteri* cuticle 4200
- Sterols** (see Steroids, hydroxy)
- Steropus madidus*** (see *Pterostichus*)
- Stethoconus frappai***
 in Malagasy Republic 3017
 preying on, *Dulinius unicolor*, in
 Malagasy Republic 3017

Stethorus

acaricides in, toxicity of 7185

preying on

Panonychus ulmi

in New South Wales 5561

in Tasmania 2869

Tetranychidae, in Uzbekistan 7185

Tetranychus urticae

in Australia 2869

in New South Wales 4310, 5561, 5567

Stethorus aethiops

in South Africa 5949

preying on, *Panonychus ulmi*, in South Africa 5949**Stethorus chengi**

in Taiwan 2909

preying on, *Tetranychus truncatus*, in Taiwan 2909**Stethorus gilvifrons**

in Yugoslavia 4326

preying on, *Panonychus citri*, in Yugoslavia 4326**Stethorus hirashimai**

in Taiwan 2909

preying on, *Tetranychus truncatus*, in Taiwan 2909**Stethorus histrio**

sp. nov., description of 4137

in Réunion 4137

preying on, Tetranychidae, in Réunion 4137

Stethorus keralicus

biology of 7286

in India 7286

preying on, *Raoiella indica*, in Karnataka 7286**Stethorus loi**

in Taiwan 2909

pesticides in, toxicity of 6417

preying on

Tetranychus truncatus 6417

in Taiwan 2909

Stethorus madecassus, preying on,*Tetranychus neocaledonicus* 203**Stethorus punctillum**

biology of 1292

in Italy 1292, 6738

in USSR 386

in Yugoslavia 4326

in cotton fields, in Tadzhikistan 386

insecticides in, toxicity of 1292

preying on

Panonychus citri, in Yugoslavia 4326*P. ulmi*, in Italy 1292, 6738*Tetranychus urticae*, in Italy 1292, 6738**Stethorus punctum**

in USA 4803, 6730

preying on

Panonychus ulmi, and biological control using, in Pennsylvania 329**Stethorus punctum contd.**preying on *contd.*

Tetranychidae, in Missouri 4803

Sticholotis gomyi

sp. nov., description of 4137

in Réunion 4137

preying on, Tetranychidae, in Réunion 4137

stickneyi, Oligonychus**stictica, Priopoda****sticticalis, Loxostege**

(Margaritia)

(Pyrausta)

Stictiocephala bubalus (see *Ceresa*)**Stictiocephala lutea**

in USA 4804

preyed on by, *Pselliopus cinctus*, in Missouri 4804**stigma, Glyphomerus****stigma, Leptoglossus**

Stigmaeidae, in apple orchards, in North Carolina 7541

Stigmasta-5,22-dien-3-ol(3 β)-in *Carya glabra*, seasonal changes in 5307in *Hylobius pales* diet, requirement for 923in *Quercus falcata*, seasonal changes in 5307in *Solenopsis invicta* cuticle 4200in *Solenopsis richteri* cuticle 4200**Stigmasta-5,24(28)-dien-3-ol, (3 β)-**, in*Bombyx mori*, allene analogue inhibiting metabolism of 7053**Stigmasta-5,24(28),28-trien-3-ol, (3 β)-**, in*Bombyx mori*, inhibiting development and steroid metabolism 7053**Stigmast-5-en-3-ol**(3 β)-

culture-medium component for,

Antheraea eucalypti cells 38

diet component for

Coptotermes formosanus 2426*Reticulitermes flavipes* 2426in *Bombyx mori*

allene analogue inhibiting metabolism of 7053

inhibitors of conversion to cholesterol of 5260

in *Bombyx mori* diet, absorption and excretion of 4062in *Carya glabra*, seasonal changes in 5307in *Heliiothis virescens*, γ -irradiation increasing sterilisation by 74in *Hylobius pales* diet, requirement for 923in *Quercus falcata*, seasonal changes in 5307in *Solenopsis invicta* cuticle 4200in *Solenopsis richteri* cuticle 4200

- Stigmast-5-en-3-ol, 24,28-epoxy-**, (3 β)-, in *Bombyx mori*, allene analogue inhibiting metabolism of 7053
- Stigmasterol** (see Stigmasta-5,22-dien-3-ol, (3 β)-)
- Stigmella malella**
 biology of 324
 control of 5559
 insecticides for 324, 1417
 integrated 7617
 timing of sprays for 6116
 in Bulgaria 1417, 5559
 in Italy 7553
 in Netherlands 7536, 7617
 in USSR 324, 6116
 on apple
 in Bulgaria 1417, 5559
 in Caucasus 6116
 in Crimea 324
 in Italy 7553
 in Netherlands 7536, 7617
 parasites of, effects of pesticides on 5559
 parasitised by
 Chrysocharis prodice, in Netherlands 7536
 Cirrospilus vittatus, in Italy 7553
- Stigmella plagiolella**
 control of, insecticides for 324
 in USSR 324
 on apple, in Crimea 324
- Stigmella ulmicola**, taxonomy of, synonym of *S. ulmivora* 5689
- Stigmella ulmifoliae**, taxonomy of, synonym of *S. ulmivora* 5689
- Stigmella ulmivora**
 in Sweden 5689
 on *Ulmus*, in Sweden 5689
 taxonomy of
 Stigmella ulmicola as synonym of 5689
 S. ulmifoliae as synonym of 5689
 group of, taxonomy of 5689
- Stilobezzia**
 on cacao
 as pollinator 402
 in Ghana 402
- Stilpnotia salicis** (see *Leucoma*)
- Stipa**, *Eriopeltis stipae* on 6994
- stipae**, *Eriopeltis*
- Stiphra robusta**
 control of, insecticides for 4893
 in Brazil 4893
 on *Anacardium occidentale*, in Brazil 4893
- stipulatus**, *Amblyseius*
- Stiretrus anchorago**
 in USA 2474
 in soy-bean fields, in South Carolina 2474
 life history of 2474
 preying on
 Anticarsia gemmatilis 5439
- Stiretrus anchorago** contd.
 preying on contd.
 Epilachna varivestis 2474, 5439
 Galleria mellonella 2474
- Stirofos** (see Tetrachlorvinphos)
- Stizus iridis**
 in USA 6537
 nesting in 6537
 preying on
 Trimerotropis pallidipennis, in Utah 6537
 T. sparsa, in Utah 6537
- Stock** (see *Matthiola incana*)
- Stomatoceras**, parasitising, *Nephantis serinopa*, in India 1914
- Stomatoceras sulcatiscutellum**
 parasitising, *Nephantis serinopa*, in India 1914
 taxonomy of, characters distinguishing *Brachymeria* and 1914
- Stomatomyia**
 distribution of 1304
 hosts of 1304
- Stomatosema**, taxonomy of 1104
- Stomatosematidi**, taxonomy of 1104
- Stomopteryx palpilineella**
 biology of 6653
 descriptions of 6653
 in USA 6653
 on *Coronilla varia*, in Pennsylvania 6653
 on lucerne, unable to develop 6653
 parasitised by
 Braconidae, in Pennsylvania 6653
 Eulophidae, in Pennsylvania 6653
- Stomopteryx subsecivella** (see *Biloba*)
- Stored products**
 arthropod damage to 6306
 Cheyletidae in, in China 2730
 Curculionidae in 6613
 ecology of 4424
 fumigants in, residues of 6272–6273
 fumigation of, standards for 6926
 insect control in 3162
 insect pests of 7463
 detection of 5706
 insects in, detection of 7465
 pest control in 1631, 6226, 6229, 6242, 7568, 7619
 evaluation of 6250
 evaluation of insecticides for 6246
 fumigation for 6247
 future of 6256
 genetic 6240
 in Portugal 1538
 insectistics for 440
 irradiation for 6257, 6259
 non-chemical means of 6262
 pathogens for 444
 pesticides for 6268
 pheromone traps for 444
 pheromones for 440
 pirimiphos-methyl for 6283

Stored products *contd.*pest control in *contd.*

temperature control for 6264

pests of 4424, 6302

damage caused by 7625

in Azores 1545

in Madeira Islands 1545

in Poland 6862

in West Germany 6993

Pyralidae in, in East Germany 7128

storage and preservation of 3777

storage buildings for, suitability of 1541

storage structures for 6263

storeyi, Cicadulina**stouti, Polycraon****strabismus, Chelacheles****strabo, Catochrysops****strachani, Pinnaspis****Strategus**, on sugar-cane, in Dominican

Republic 7225

Stratiomyidae, in Malagasy Republic 2333**stratiotida, Parapoynx****Straw**, diet component for, *Ceratitis capitata*

6568

Strawberry*Acleris comariana* on, in England 2849*Aegorhinus phaleratus* on, in Chile 686*Anthonomus signatus* on, in Michigan

2852

aphids on, in Bulgaria 1390

Argyroplote lacunana on, in England

2849

arthropod pests of, in UK 545

Carabidae on, in North America 770

Chaetosiphon fragaefolii on

in Bulgaria 1994

in USA 844

Clepsis spectrana on, in England 2849*Cnephasia interjectana* on, in England

2849

Coelidia olitoria on, in North Carolina

6090

cyhexatin in, determination of 122

Donus salviae on, in Italy 1995*Harpalus rufipes* on, in West Germany

5541

Hypera brunneipennis on, in California

3604

insect pests of, in Quebec 5533-5534

Loxostege spp. on, in North America

7032

mevinphos in, residues of 2850

millepedes on, in UK 4749

Otiorhynchus sulcatus on, in Sweden

5542

pesticide taints in, avoidance of 7675

Ptycholoma peritana on

in California 2848

in Quebec 2848

Stelidota geminata on 2475*Systema frontalis* on

damage caused by 2851

Strawberry *contd.**Systema frontalis* on *contd.*

in Quebec 2851

Tarsonemus pallidus on 5543

damage caused by 5544

in Venezuela 1392

Tetranychidae on, in France 977, 3170

Tetranychus urticae on

in California 522

in New South Wales 3616

in Washington 1391

resistance to 1391

Strawberry crinkle virus, in, *Chaetosiphon fragaefolii*, transmission of 844**Strawberry mild yellow edge virus**

in

Chaetosiphon fragaefolii, transmission of 844, 6091*C. minor*, transmission of 6091*C. thomasi*, transmission of 6091*Fragaria virginiana*, in North Carolina 6091**Strawberry mottle virus**, in, *Chaetosiphon fragaefolii*, transmission of 844**Strawberry pallidosis virus**, in, *Coelidia olitoria*, transmission of 6090**Stream sediments**, DDT in, residues of 2315**Streams**

BHC in, residues of 4579

Chironomidae in, in Manitoba 914

DDT in, residues of 2315

fenitrothion in

non-target effects of 914-915, 3303

residues of 3302

organochlorine insecticides in, residues of 3331

polychlorinated biphenyls in, residues of 3331

Salmo gairdneri in, in Manitoba 915**Streblothe siva**

biology of 2035

descriptions of 2035

in India 2035

on guava, in West Bengal 2035

strenuus, Pterostichus**Strepsicrates coriariae**

sp. n., description of 560

in Japan 560

on *Coriaria japonica*, in Japan 560**Strepsicrates routhia**

control of, insecticides for 2034

on guava 2034

Strepsiptera, parasitising, Auchenorrhyncha, in UK 195**Streptococcus**

in

Galleria mellonella gut 7066*Ostrinia nubilalis*, in Iowa 7485**Streptococcus faecalis**

in

Galleria mellonella 4475

***Streptococcus faecalis* contd.**

in contd.

Galleria contd.*G. mellonella* gut 7066-7067*Ostrinia nubilalis*, in Iowa 7485***Streptomyces*, DDT in, metabolism of 2645****Streptomycin**against, *Dacus oleae*, on olive 4026in *Dacus cucurbitae*, effects of 4088in *Dacus oleae*, effects on larval development of 4101**Stress**in *Spodoptera mauritia*, effects on hemolymph proteins of 4032in *Zeiraphera diniana*, inducing acute virosis 1592***striatalis*, *Diatraeaephaga******striatella*, *Laodelphax******striaticorne*, *Polynema******striatula*, *Crematogaster******striatus*, *Agonotopoides******striatus*, *Psammotettix******strigata*, *Tripseuxoa******strigatula*, *Cryptarcha******strigilis*, *Protambulyx******striolata*, *Phyllotreta*****Strobane (see Terpenes, chlorinated)*****strobi*, *Kaltenbachiola******strobi*, *Pissodes******strobilobius*, *Adelges*, (*Chermes*)*****Strobliomya tibialis* (see *Peribaea*)*****Stroggylocephalus***

in Nearctic region 3984

taxonomy of 3984

Stromanthe sanguinea*Opogona sacchari* on

damage caused by 6201

in Italy 6201

Strongwellsea castrans*, in, *Hylemya brassicae*, in Ontario 378*Strongyliini**

defensive behaviour in 2403

defensive secretion in 2403

Strontiumin *Solenopsis invicta* 2697in *Solenopsis invicta* queens 5311***Strophosomus capitatus***

in Denmark 2130

on *Fagus*, in Denmark 2130

traps for 2130

Strumeta*, attractants for 3344**Strychnos*, *Eumerus obliquus* on, in Rhodesia 1247*****stultana*, *Platynota******Sturnus vulgaris***

DDT in, residues of 6403

pesticides in, residues of 6402

preying on, *Costelytra zealandica*, in New Zealand 4882***stygius*, *Peritenus******stylifer*, *Aptinothrips******stylifer*, *Catantops******styx*, *Acherontia******suavis*, *Pseudocoremia*, (*Selidosema*)*****Subacyrthosiphon cryptobius*, in Poland 7144*****subalbatus*, *Armigeres******subandinus*, *Apanteles******subcarnea*, *Spilosoma*, (*Spilarctia*)*****Subcoccinella vigintiquattuorpunctata***

biology of 598

control of, JH mimics for 597-598

diapause in 6083

effects of JH mimics on 597

in Bulgaria 1986

in Hungary 597-598, 6083

on lucerne, in Hungary 597, 6083

subcoleoptrata*, *Phasia(*Alophora*)***subdepressus*, *Palorus******subelongatus*, *Ips******suberi*, *Plagiotrochus******suberis*, *Thelaxes******subfasciata*, *Hispoletis******subfasciatus*, *Zabrotes******subflava*, *Euproctis* (see *E. flava*)*****subfumatus*, *Mesopolobus******subgothica*, *Feltia******subhyalinus*, *Macrotermes*****Subject reviews (see also Bibliographies)**

biochemical genetics of insecticide resistance 5969

bionomics and management of *Rhagoletis* 5971

bionomics of Anthonomine weevils 5973

biotic interference with insect for weed control 5975

cytophysiology of insect blood 2390

economics of pesticide use 5965

gene activity during development 2392

genetic problems in producing biological control agents 5977

genetics and biology of *Drosophila* 6514

host selection by insect parasites 5968

insect seasonality 5967

male accessory glands and insect reproduction 5970

oocyte-nurse cell syncytium 2391

pest management 6363

pesticide photochemistry 5966

phoresy in entomophagous insects 5976

problems with insect viruses for pest control 5974

regulatory mechanisms in insect feeding 2389

soy bean entomology 5972

systems approach to pest management 5964

submetallica*, *Colaspis***subnebulosa*, *Kimminsia*, (*Boriomyia*)*****subsecivella*, *Biloba*, (*Stomopteryx*)*****subsignarius*, *Ennomos******subterranea*, *Anuraphis***

Subject Index

subterranea, *Feltia*

Subtilisin, digestion of nuclear polyhedrosis viruses by 4462

subtropica, *Rhyacionia*

subviolaceus, *Cirrospilus* (see *C. viticola*)

subvirescens, *Tomosvaryella*

succincta, *Patanga*

Sucrose (see α -D-Glucopyranoside, β -D-fructofuranosyl)

Sudan

Aiolopus simulatrix in 7505

Bemisia tabaci in, on tomato 7381

Earias pp. in, on cotton 3705

Locusta migratoria in 3164

Parlatoria blanchardii in, on date palm 1992

Pectinophora gossypiella in, on cotton 3705

Schistocerca gregaria in 7170

Spilostethus pandurus in 5874

sudanensis, *Anaphothrips*

Sudenol (see 2-Cyclohexen-1-ol, 3-methyl-)

Sufetula

on oil palm

in South America 6711

in Sumatra 4452

Sufetula diminutalis

control of, insecticides for 1990

descriptions of 1990

in Colombia 1990

in Peru 1990

on oil palm

damage caused by 1990

in Colombia 1990

in Peru 1990

rearing of, techniques for 1990

Sufetula sunidesalis

biology of 6711

in Indonesia 6711

in Malaysia 6711

on oil palm

in Indonesia 6711

in Malaysia 6711

Sufran, in *Trichogramma cacoeciae*, toxicity of 3910

Sugar-beet (*Beta vulgaris* var. *saccharifera*)

Acrythosiphon pisum on, feeding by 5342

Agriotes spp. on

in France 3950

in Greece 2663

in Italy 3953

Agrotis exclamationis on, in East Germany 375

A. ipsilon on, in Japan 113

A. segetum on

in East Germany 375

in Kirghizia 6783

rearing of 6528

amino acids in, effects of damage on 6142

Sugar-beet contd.

Aphidoletes aphidimyza on, oviposition by 4110

aphids on

in England 799, 7598

in Kirghizia 6783

in Poland 370, 3299

in UK 7367

Aphis fabae on

damage caused by 6927

feeding by 5342

in Czechoslovakia 4921, 7613

in East Germany 4524, 5610, 5620

in England 799, 3958

in France 3958

in Poland 1464, 2065, 2950-2951,

3311, 6782, 6927

in Switzerland 3155

in UK 3679, 7599

probing by 2066

resistance to, evaluation of 2953

A. gossypii on, feeding by 5342

Archiboreoiulus pallidus on, in Belgium 2660

Atomaria linearis on

in East Germany 4524

in England 3945

in Poland 2952, 6782

beet mild yellowing virus in

in England 4961

in UK 3679

beet yellows virus in

aphid transmission of 4348

in England 799, 4348, 4961, 7598

in UK 3679, 7367, 7599

γ -BHC in, toxicity of 4962

Blaniulus guttulatus on

in Belgium 2660

in England 3945

in France 3950

Boreoiulus tenuis on, in Belgium 2660

Brachydesmus superus on, in England 3945

Chaetocnema concinna on, in Finland 4962

chlordan in, residues of 3953

Conorhynchus hololeucus on, in Turkmenia 6755

disulfoton in, toxicity of 2278

Euschistus conspersus on, in California 6085

flea-beetles on, in Kirghizia 6783

Hylemya coarctata on

forecasting infestations of 1000

in East Germany 1000

insect pests of

in Finland 6592

in Quebec 5473

insecticides in

effects of 5614, 7600

effects on germination of 2663

Sugar-beet contd.

irrigation of, effects on pests and diseases of 6783

Lacanobia oleracea on, in Bulgaria 2948

Loxostege spp. on, in North America 7032

Lygus disponi on 576

damage caused by 2954, 5615
effects on amino acids and sugars of 868

L. rugulipennis on

damage caused by 1850
in Finland 1850, 4962

Macrosiphum euphorbiae on, feeding by 5342

Mamestra brassicae on

development of 67
in Bulgaria 2948, 4960
in Japan 870–875
in USSR 3856

Margaritita sticticalis on, in Ukraine 7278

Megoura viciae on, feeding by 5342

millepedes on, in UK 4749

Myzus persicae on

feeding by 5342
in Czechoslovakia 7613
in East Germany 5610, 5620
in France 799, 3958, 4345, 4348, 4961, 5191
in Switzerland 3155
in UK 3679, 7575–7576, 7599
probing by 2066
resistance to 4348
evaluation of 2953

Onychiurus spp. on, in West Germany 2949

O. armatus on, in England 5616

O. fimetarius on, in England 5616

Pegomya betae on

in East Germany 4346, 4524
in France 3958
surveillance for 4346

P. hyoscyami on

in Poland 2950
in Spain 2946

Pemphigus fuscicornis on, in Kirghizia 6783

pest control on 1605, 3956, 7528

biological 6621

in UK 3272

in USSR 7366

in Wyoming 2259

international aspects of 7629

pests of, in Europe 7600

Piesma maculatum on, in Finland 4962

P. quadratum on

damage caused by 6928
in Poland 6928

pollination of, by insects 4345

Psilopa leucostoma on, in Washington 1465

Sugar-beet contd.

Scutigerella immaculata on, in France 3950

Sitona spp. on, in Iran 5842

Tetranychidae on, in Iran 4746

Sugar-beet fields

Arachnoidea in

effects of insecticides on 371
in Poland 371

Carabidae in

effects of insecticides on 370
in UK 4347
in Yugoslavia 2598

Collembola in, in West Germany 2949

Elaterridae in, in Yugoslavia 2598

flying insects in, effects of aphicides on 6165

Hymenoptera in, effects of insecticides on 3299

insecticides in, non-target effects of 2949, 3311

Staphylinidae in, effects of insecticides on 370

Sugar-cane (*Saccharum officinarum*)

Abacarus officinari on 2325

Aeneolamia spp. on, in Venezuela 1365

A. varia on

assessing infestations of 1936
in Trinidad 243
in Venezuela 1935–1936

Alissonotum impressicollis on, in Taiwan 255

arthropod pests of, in Dominican Republic 7223

Atta spp. on, in Brazil 6670

Aulacaspis tegalensis on

damage caused by 239

in Malaya 259

in Mauritius 239

in Tanzania 239, 245, 3362

Austracris guttulosa on, in Queensland 4822

Automeris irene on, in Brazil 5981

Calisto pulchella on, in Dominican Republic 7224

Cassida nebulosa on, in Bulgaria 7368

C. nobilis on, in Bulgaria 7368

Castnia licus on, in Brazil 4824

Chilo agamemnon on

damage caused by 231

effects of row spacing on 819
in Egypt 230–231, 819

C. auricilius on

effects of fertilizers on 7221
in Indonesia 250
in Uttar Pradesh 7221

C. infuscatellus on

in Andhra Pradesh 3363
in India 7609

in Karnataka 6667

C. partellus on, in Pakistan 773

Sugar-cane *contd.**Chilo contd.**C. sacchariphagus* on

in Indonesia 250

in Réunion 249

in Tamil Nadu 814

in West Malaysia 252

Clovio sarawakana on, in Malaya 259*Diatraea* spp. on, in Brazil 4824, 6669*D. centrella* on

in Bahamas 229

in Trinidad 253

D. impersonatella on

in Guadeloupe 6668

in Trinidad 253

D. lineolata on, in Bahamas 229*D. saccharalis* on

in Colombia 3540

in Guadeloupe 6668

in Louisiana 235-236, 263, 269, 6026

in Trinidad 253

resistance to 234

evaluation of 3867

Dorylus orientalis on, damage caused by 6610*Elasmopalpus lignosellus* on

damage caused by 264

in Barbados 1304

in Jamaica 264

Eldana saccharina on

damage caused by 260

in East Africa 232

in Tanzania 257, 260

Ellimenistes laeicollis on, in South Africa 1497*Eoerysa flavocapitata* on 4823*Eucosma isogramma* on, in West Malaysia 252*Eurhizococcus brasiliensis* on, in Brazil 155*Eurybia misellivestis* on, in Brazil 5981*Gastrimargus musicus* on, in Queensland 4822*Hieroglyphus daganensis* on, in Nigeria 5423*H. nigrorepletus* on, in Uttar Pradesh 6603*Hyponeuma taltula* on, in Brazil 5981*Hypopholis sommeri* on, in South Africa 265*Icerya pilosa* on, in India 818*Inopus rubriceps* on, in New South Wales 240, 254

insect pests of, in Bahamas 7222

Lachnosterna patrueloides on

forecasting infestations of 4826

in Guadeloupe 474, 4826

L. serrata on, in Uttar Pradesh 5123

Lepidoptera on, in Pakistan 816

Locusta migratoria on

in Japan 747

in Okinawa Prefecture 6036

Sugar-cane *contd.**Locusta migratoria* on *contd.*

in Queensland 4822

Mahanarva fimbriolata on, in Brazil 4824*M. posticata* on, in Brazil 4824, 6669-6670*Marasmia suspicalis* on, in Uttar Pradesh 1342*Margarodes carvalhoi* on, in Brazil 155*Matsumuratettix hiroglyphicus* on, development of 256*Melanaphis indosacchari* on, effects of plant nutrition on 2380*Melanaspis glomerata* on, in Maharashtra 1274*Melanotus tamsuyensis* on, in Taiwan 255*Metamius hemipterus* on, in Ecuador 683*Mogannia hebes* on, in Taiwan 247, 255*M. iwasakii* on, in Okinawa Prefecture 262, 1933*M. kashotoensis* on, in Taiwan 255*Nephantis serinopa* on, in India 6640*Numicia maculosa* on, in India 6999*N. viridis* on

in southern Africa 5959

in Swaziland 244

Oedaleus senegalensis on, in Nigeria 5423*Perkinsiella saccharicida* on

in Australia 3575

in New South Wales 261

pest control on, in USA 238

pests of

in Bangladesh 4180

in India 233

in Queensland 4250

Phaenacantha australiae on, in Queensland 2671*P. saccharicida* on

damage caused by 259

in Malaya 259

Prosapia bicincta on 2572*Psalis pennatula* on 6790*Pyrilla perpusilla* on, in India 5482*Rhabdoscelus obscurus* on, in Hawaii 4781*Rhynchophorus ferrugineus* on, rearing of 6088*Saccharicoccus sacchari* on

in Malaya 259

in Peru 701

in Sri Lanka 817

Saccharosydne saccharivora on

development of 258

in Venezuela 1934

Scarabaeidae on, in Guadeloupe 4825

Scarabaeoidea on, in South Africa 265

Schizonycha affinis on, in South Africa 265

Sugar-cane contd.

- Schizotetranychus andropogoni* on 5513
S. sacharum on, in Brazil 6451
Sesamia calamistis on, in Réunion 249
S. cretica on, in Iran 268
S. inferens on
 in Kagoshima Prefecture 815
 in Pakistan 773
 soil pests of, in Dominican Republic 7225
Sphaeraspis salisburyensis on, in Rhodesia 813
 sugar-cane grassy shoot virus in 2380
 sugar-cane white leaf disease
 causal agent in
 in Taiwan 256
 in Thailand 6035
Tryporyza nivella on
 damage caused by 267
 in Andhra Pradesh 3576
 in Punjab 267
Yanga guttulata on, in Malagasy Republic 246
Sugar-cane Fiji disease virus, in, *Perkinsiella saccharicida*, transmission of 3575
Sugar-cane grassy shoot virus
 in, sugar-cane 2380
 vectors of 2380
Sugar-cane mosaic virus 2816
Sugar-cane stems
 bait component for, termites 6645
 diet component for, *Rhynchophorus ferrugineus* 1989
Sugar-cane white leaf disease
 causal agent
 in
 Brachiaria distachya, in Taiwan 256
 Cynodon dactylon, in Taiwan 256
 Matsumuratettix hiroglyphicus,
 transmission of 256
 sugar-cane
 in Taiwan 256
 in Thailand 6035
 mycoplasma-like organism implicated as 6035

Sugar-cane, wild (see *Saccharum spontaneum*)

Sugarberry (see *Celtis laevigata*)

Sugars

- bait component for
 Agrotis exclamationis 375
 A. segetum 375
 Peridroma saucia 511
 bait-spray component for, *Anthonomus grandis* 2998
 culture-medium component for,
 Entomophthora thaxteriana 2194
 diet component for
 Ceratitis capitata 3231, 6568
 Hylemya brassicae 4518
 Perniphora robusta 6617
 Rhagoletis cerasi 3226

Sugars contd.

diet component for contd.

- Semiadalia undecimnotata* 2570
Sesamia nonagrioides 1234
Galerucella grisea feeding response to 586
 in apple, effects of pesticides on 7562
 in beet, effects of insecticides on 5613
 in *Brassica juncea*, effects of *Lipaphis erysimi* on 3080
 in *Costelytra zealandica* diet, utilisation of 2828
 in eggplant, effects of insecticides on 6180
 in fowl blood, malathion decreasing level of 3918
 in *Galleria mellonella*, effects of thio analogues on 4034
 in grapevine, relation to damage by Lepidoptera of 2002
 in lemons, incorporation of ¹⁴C into 137
 in lucerne, relation to resistance to *Acyrtosiphon pisum* of 1982
 in *Picea abies*, not affecting development of *Gilpinia hercyniae* 7123
 in raspberry, role in resistance to *Amphorophora agathonica* of 1393
 in rice, effects of *Nilaparvata lugens* on 1965
 in *Ricinus communis* 5276
 in *Samia cynthia* diet, requirement for 5276
 in sesame, effects of *Asphondylia sesami* on 2979
 in squash, incorporation of ¹⁴C into 137
 in sugar-beet
 effects of disulfoton on 1464
 effects of *Lygus disponsi* on 868
 effects of phorate on 1464
 in tomato, effects of insecticides on 5813
 in tomatoes, not affected by endosulfan or propoxur 5769
 in *Vigna radiata*, effects of mung bean yellow mosaic virus on 7349
 in wheat grain, effects of *Trogoderma granarium* on 6312
Phthorimaea operculella feeding responses to 3683
sulcatiscutellum, *Stomatocera*
Sulcatol (see 5-Hepten-2-ol, 6-methyl-)
sulcatus, *Gnathotrichus*
sulcatus, *Otiorynchus*
 (*Brachyrhinus*)
sulcicollis, *Ceutorhynchus*
sulcifrons, *Sitona*
sulcifrons, *Thaumatomyia*
sulciventris, *Musgraveia*
Sulfanilamide (see Benzenesulfonamide, 4-amino-)
Sulfate, in *Vicia faba*, aphid extraction of 3935

- Sulfathiazole** (4-amino-*N*-thiazolylbenzenesulfonamide)
in *Dysdercus cingulatus*, not affecting bacterial symbionts 7064
- Sulfotep** (thiodiphosphoric acid $[(\text{HO})_2\text{P}(\text{S})_2\text{O}]_2$ tetraethyl ester)
against, *Trialeurodes vaporariorum* 490
in *Phytoseiulus persimilis*, toxicity of 7673
- Sulfoxide** (5-[2-(octylsulfanyl)propyl]-1,3-benzodioxole)
in soy bean, inhibiting phorate sulfoxidation 3920
- Sulfur**
against
Brevipalpus lewisi, on grapevine 1998
Eriophyes similis, on plum 6737
E. vitigineusgemma, on grapevine 1399
Oligonychus indicus, on sorghum 2819
pests of *Citrus* 4324
Tetranychidae
on apple 5562
on cotton 6182
Tetranychus neocaledonicus, on eggplant 2975
T. urticae, on *Phaseolus* 983
in *Agistemus fleschneri*, toxicity of 5562
in *Amblyseius fallacis*, toxicity of 5562
in *Anystis baccarum*, toxicity of 6418
in apple orchards, effects on mites of 2013
in glasshouses, non-target effects of 977
in *Phytoseiulus persimilis*, toxicity of 3170
in *Solenopsis invicta* 2697
in *Solenopsis invicta* queens 5311
in stored grain, persistence of 6859
in *Trichogramma cacoeciae*, effects of 1603
in vineyards, effects on Tydeidae of 1402
with carbaryl, against, *Idioscopus clypealis*, on mango 3644
with DDT
against
Idioscopus clypealis, on mango 3644
Sundapteryx biguttula, on eggplant 1477
with methyl-demeton, against, *Tetranychus cucurbitacearum*, on watermelon 1445
compounds, against, forest pests 2127
- Sulfuric acid**
calcium salt (1:1), against, *Tetranychus urticae*, on *Phaseolus* 6935
copper(2+) salt (1:1)
antifeedant for
Leptinotarsa decemlineata, on potato 5628
Lymantria dispar, on *Quercus* 4585
as stressor for increasing susceptibility of insects to viruses 3136
- Sulfuric acid** *contd.*
copper(2+) salt (1:1) *contd.*
in *Anystis baccarum*, toxicity of 6418
diammonium salt
against, *Tetranychus urticae*, on *Phaseolus* 6935
bait component for, *Dacus oleae* 1181
in cattle feed, not affecting accumulation of insecticides 5200
in cotton soil, effects on arthropod pests of 395
dysprosium(3+) salt (3:2), marker for, *Rhagoletis cerasi* 2578
iron(2+) salt (1:1)
against, *Tetranychus urticae*, on *Phaseolus* 6935
as stressor for increasing susceptibility of insects to viruses 3136
manganese(2+) salt (1:1), in *Aphytis melinus*, toxicity of 2898
samarium(3+) salt (3:2), marker for, *Rhagoletis cerasi* 2578
zinc salt (1:1)
in *Ostrinia nubilalis*, effects on growth of 5142
Ostrinia nubilalis feeding responses to 5142
- Sulfurous acid**
2-chloroethyl 2-[2-[4-(1,1-dimethylethyl)phenoxy]-1-methylethoxy]-1-methylethyl ester, against, *Tetranychus truncatus*, on *Phaseolus vulgaris* 6417
2-chloroethyl 2-[4-(1,1-dimethylethyl)phenoxy]-1-methylethyl ester, against, *Acarapis woodi* 2702
2-[4-(1,1-dimethylethyl)phenoxy]cyclohexyl 2-propynyl ester (see Propargite)
- Sulfuryl fluoride**
in insects, metabolism of 3270
in mammals, metabolism of 3270
- Sulphenone** (see Benzene, 1-chloro-4-(phenylsulfonyl)-)
- sulphurea, Vespula**
- Sultanas** (see Raisins and sultanas)
- Sumioxon** (see Phosphoric acid, dimethyl 3-methyl-4-nitrophenyl ester)
- Sumithion** (see Fenitrothion)
- Summer squash** (see Squash)
- Sundapteryx biguttula biguttula**
control of, insecticides for 1477
in India 1477
on eggplant, in Madhya Pradesh 1477
- Sunflower** (*Helianthus annuus*)
Agriotes sputator on, in Bulgaria 152
A. ustulatus on, in Bulgaria 152
Amrasca biguttula on
effects of fertilizers on 2987
effects of spacing on 2987
in Tamil Nadu 2987
Atractomorpha crenulata on
in Tamil Nadu 2081

Sunflower contd.

- Atractomorpha crenulata* on contd.
resistance to 2081
- Bothynus gibbosus* on, in Texas 153,
4357
- Ceresa bubalus* on, in Italy 1383
- chlorotic disease virus in
aphid transmission of 2082
in England 2082
- Entylia carinata* on, in Argentina 3358
- Eutetranychus orientalis* on, in Egypt
4355
- Galeatus scrophicus* on
damage caused by 1482
in Haryana 1482
- Heliothis* spp. on, in Western Australia
6791
- Homoeosoma electellum* on
in California 384, 2986
in Texas 4357
resistance to 384
- honey bees on
as pollinator 2984
in Tamil Nadu 2984
- Lygaeus equestris* on, feeding by 634
- Margaritia sticticalis* on, in Ukraine 5402
- Nysius vinitor* on, in Western Australia
6791
- Orobanche* spp. on, in Russian Republic
7388
- pests of
in Tamil Nadu 2985
in Yugoslavia 4972
- Spodoptera littoralis* on, in Egypt 4355
- Tetranychus cucurbitacearum* on, in
Egypt 4355
- Thrips tabaci* on, in Bulgaria 3700
- Sunflower meal**, *Tenebrio molitor* in,
development of 2422
- Sunflower oil**, interactions of brome mosaic
virus and 3114
- Sunflower seeds**, diet component for,
Oncopeltus fasciatus 660
- Sunflower (stored seeds)**
- Ahasverus advena* in, in Yugoslavia 5718
- Cryptolestes* spp. in, in Yugoslavia 5718
- C. ferrugineus* in, development of 6323
- Oryzaephilus mercator* in, development of
6323
- O. surinamensis* in, in Yugoslavia 5718
- Tribolium castaneum* in
development of 6323
in Yugoslavia 5718
- Typhaea stercorea* in, in Yugoslavia
5718
- sunidesalis*, *Sufetula*
- superstitiosus*, *Dysdercus*
- superus*, *Brachydesmus*
- suppressalis*, *Chilo*
- suppressaria*, *Buzura*, (*Biston*)
- Supracide** (see Methidathion)
- Surecide** (see Cyanofenphos)

surendrai, Diadegma

- Surfactants**, environmental pollution with
6952
- Surinam**
- Bephrata maculicollis* in, on soursop
4997
- Castnia licus* in, on banana 310
- Cerconota anonella* in, on soursop 4997
- Eugaurax setigena* in, on *Eichhornia*
crassipes 2756
- Lapaeumides dedalus* in, on coconut 310
- Leucothrips theobromae* in, on cacao
902
- Phyllocoptruta oleivora* in
on grapefruit 2893
on orange 2893
- Plectrophorus lutra* in
on orange 3637
on *Pueraria phaseoloides* 3637
- Rhinostomus barbirostris* in, on palms
310
- surinamensis*, *Oryzaephilus*
- Sus scrofa domestica* (see Pig)
- susinnella*, *Leucoptera* (see *Paraleucoptera*
sinuella)
- suspensa*, *Anastrepha*
- Suspension concentrates**, particle size
analysis in 7148
- suspicalis*, *Marasmia*, (*Neomarasmia*)
- Susteraia acerina*
in USSR 2331
parasitising, *Bradybatas tomentosus*, in
Ukraine 2331
- Sutan** (see Butylate)
- sutor**, *Monochamus*
- suturalis*, *Adelphocoris* (see *A. ticinensis*)
- suturalis*, *Anthonomus*
- suturalis*, *Eleodes*
- suturalis*, *Sitona*
- suturalis*, *Zygogramma*
- Suzu** (see Fentin acetate)
- Suzu** (see Fentin acetate)
- Suzu H** (see Fentin hydroxide)
- swaini*, *Neodiprion*
- Swallow**, preying on, *Inopus rubriceps*, in
New South Wales 240
- Swallow**, *Welcome* (see *Hirundo neoxena*)
- Swaziland**
- Ancistrotermes latinotus* in
in dwellings 4232
on *Eucalyptus* 4232
- Aonidiella aurantii* in, on *Citrus* 5221
- cotton in, pests of 4981
- light-trap grid in 1224
- Numicia viridis* in
natural enemies of 244
on sugar-cane 244
- Schedorhinotermes lamanianus* in 1311
- Swede** (*Brassica napus* var. *napobrassica*)
- Anthomyiidae* on, in Switzerland 5592
- arthropod pests of, in UK 545
- Brevicoryne brassicae* on, in UK 2043

Sweden contd.

- chlordan in, residues of 533
 chlorfenvinphos in, residues of 3307
Hylemya brassicae on
 in Ontario 378
 in Sweden 3307
 oviposition by 4518
H. floralis on, in Sweden 3307
H. florilega on, in Ontario 378
H. platura on, in Ontario 378
 insect pests of, in Quebec 5473
 leptophos in, residues of 1658
 pest control on, in UK 3272
 pests of
 in Denmark 5400
 in North Carolina 2915
Plutella xylostella on, in New Zealand 3650
 trichloronate in, residues of 3307
- Sweden**
Adelges spp. in, on *Abies* 3768
Agrotis spp. in 6910
Aphis fabae in, on *Vicia faba* 5600
Attagenus spp. in, in wool textiles 6237
 bark beetles in 4418
Bostrichus capucinus in 3104
Brevicoryne brassicae in, on oil-seed crops 5596
 Carabidae in, in grain fields 6040
Ceutorhynchus sulcicollis in
 on rape 6764
 on turnip rape 6764
Chionaspis salicis in, natural enemies of 3362
 Coccoidea in 6448
Cydia nigricana in, on pea 4337-4338
Dasineura brassicae in
 on rape 5596
 on turnip rape 5596
 Elateridae in 3517
Ernobius nigrinus in, natural enemies of 4598
Halticoptera and related genera in 3365
Hylemya spp. in
 on cauliflower 3307
 on swede 3307
H. brassicae in, on horse-radish 3308
H. floralis in, on horse-radish 3308
Hyllobius abietis in, on conifers 414
Ips chalcographus in, on *Pinus* 425
Javesella pellucida in
 natural enemies of 1943
 on wheat 1943
Lygaeus equestris in 634
Melolontha hippocastani in 1510
M. melolontha in 1510
Otiorhynchus salicis in 7096
O. sulcatus in, on strawberry 5542
Papilio machaon in 1183
Reesa vespulae in
 in dwellings 6852
 in museums 6852

Sweden contd.

- Sphecidae in 5369
Stigmella ulmivora in, on *Ulmus* 5689
Tetranychus urticae in, on cucumber 975
Thera variata in 6812
Tomicus minor in, on *Pinus* 425
T. piniperda in, on *Pinus* 425
Trialeurodes vaporariorum in 975, 6909
Trypodendron lineatum in, on *Pinus* 425
- Sweet potato (*Ipomoea batatas*)**
Acanthocoris sordidus on, in Japan 3689
Aedia leucomelas on
 development of 1470
 in Japan 6173
Agrius convolvuli on
 in Karnataka 1882
 in Papua New Guinea 5630
Brachmia macroscopa on, in Haryana 2075
Brevipalpus obovatus on, development of 3440
 carbamates in, fate of 5785
Cylas formicarius on
 development of 6788
 in Karnataka 2969, 6788
 in Papua New Guinea 5630
 in Solomon Islands 3976
 resistance to 723
 varietal preferences of 4353
Euchromia polymena on, in India 1471
Hippotion celerio on, in Papua New Guinea 5630
Mettiona bicolor on, in USA 7142
Spodoptera littoralis on, development of 3439, 3466, 5254
Tegolophus ipomoeifoliae on 2325
Tiracola plagiata on, in Papua New Guinea 4989
Tydeus californicus on, development of 3441, 4696
- Swietenia, *Phyllocnistis meliacella*** on, in Costa Rica 3076
- Swietenia *macrophylla*, *Hypsipyla grandella*** on, in Costa Rica 4072
- swirskii, *Amblyseius***
- Swiss chard** (see Spinach beet)
- Switzerland**
Acyrtosiphon pisum in
 natural enemies of 5740
 on pea 3155
Adelges spp. in, on *Picea* 4404, 4419
Aphanostigma piri in, on pear 2019
 aphids in 3373, 3375
 on apple 3626
 on peach 2071
 on potato 2071
Aphis fabae in, on sugar-beet 3155
Aulacaspis rosae in, natural enemies of 3362
Coleophora serrata in 5011
Curculio elephas in, on *Castanea sativa* 7299

Switzerland contd.

- Cydia funebrana* in 1648, 2021
on plum 6119
C. pomonella in 1648, 1788, 7559
on apple 2881, 3627–3628, 5558
C. splendana in, on *Castanea sativa* 7299
Cystiphora sonchi in, on *Sonchus* 2752
Delia brassicae in 5592–5593
D. platura in 5592–5593
Drepanothrips reuteri in, on grapevine 1400
Ephestia kuehniella in, in stored grain 7082
Fenusa pusilla in, natural enemies of 1883
Hedya nubiferana in 1648
Hoplocampoides xylostei in, on *Lonicera xylosteum* 1925
Hylastinus obscurus in, on *Trifolium* 3608
Ips bistridentatus in, on *Pinus* 3747
Lepidoptera in
natural enemies of 2128
on *Larix* 2128
Leptinotarsa decemlineata in, on potato 2261, 7609
Lymantria dispar in, natural enemies of 5789
market-garden crops in, pest control on 3862
Myzus humuli in, on hop 3155
M. persicae in
on potato 6787
on sugar-beet 3155
orchards in, pest control in 7534
Ostrinia nubilalis in, on maize 1948, 4837, 6678
Pammene fasciana in, on *Castanea sativa* 7299
pear in, pest control on 6733
Pegohylemyia fugax in 5592
Pemphigus bursarius in 2912
Pieris brassicae in, natural enemies of 5789
Pissodes pini in, on *Pinus* 3747
Pityophthorus knotecki in, on *Pinus* 3747
Plodia interpunctella in, in stored grain 7082
Plutella xylostella in, natural enemies of 5789
Pristiphora thalenhorsti in 1718
Psila rosae in, on carrot 2069
Ptilocephala plumifera in, natural enemies of 4598
Rhagoletis cerasi in, on cherry 3225, 4322, 4909, 5134, 6736
Rhyzopertha dominica in, in stored grain 7082
sawflies in, on *Larix* 2161
Synanthedon myopaeformis in, on pear 6117

Switzerland contd.

- Syrphidae in 3372
Tephritis dilacerata in, on *Sonchus* 2752
Tortricidae in, on apple 3626
Tribolium castaneum in, in stored grain 7082
Trypodendron spp. in, natural enemies of 3543
Xyleborus spp. in, natural enemies of 3543
Zeiraphera diniana in
natural enemies of 1294, 1896, 2157, 2159, 2255, 6004
on *Larix* 1896, 2158, 2161, 2163–2164, 2255, 3058, 3135, 3747, 5660–5661, 6847, 6911
on *Pinus* 3747
Syagrus calcaratus, okra mosaic virus in, transmission of 6145
Sycamore, American (see *Platanus occidentalis*)
Sycanus affinis
biology of 6642
descriptions of 6642
in India 6642
preying on
Acherontia styx 6642
Corcyra cephalonica 6642
Lepidoptera, in Orissa 6642
Sycios angulatus leaf powder, diet component for, *Anadevidia peponis* 1832
Sycobiella amplissima
sp. n., description of 4603
in India 4603
parasitising, *Maniella delhiensis*, in Mysore 4603
sycophanta, *Calosoma*
sycophanta, *Rhagium*
Sycophila, taxonomy of, *Eudecatoma* as synonym of 3370
Sycophila biguttata
in USSR 7209
parasitising, *Diplolepis mayri*, in USSR 7209
Sycoscapter punctatus
sp. n., description of 4603
in India 4603
parasitising, *Maniella delhiensis*, in Mysore 4603
Sylepta derogata
control of, insecticides for 4980, 6185
in India 4980, 6185
on cotton
in Karnataka 6185
in Punjab 4980
varietal preferences of 6185
Sylepta polycymalis, on *Cola*, in West Africa 4245
Sylepta retractalis, on *Cola*, in West Africa 4245

- Sylepta semilugens*, on *Cola*, in West Africa 4245
- syleptae*, *Apanteles*
- Syllitus*
flight activity in 641
on *Araucaria cunninghamii*, in Papua New Guinea 641
on *Araucaria hunsteinii*, in Papua New Guinea 641
traps for 641
- sylvatica*, *Tomosvaryella*
- sylvaticum*, *Gymnosoma*
- sylvestrella*, *Dioryctria*
- sylvius*, *Microterys*
- Symmerista canicosta*
in USA 4478
on *Quercus rubra*, in Connecticut 4478
Pleistophora schubergi in, infectivity of 4478
- Symmetrischema*
control of, insecticides for 1475
on *Physalis ixocarpa*
damage caused by 1475
in Mexico 1475
- Symphyla*
control of, pesticides for 4194
on crops, in UK 4194
- Symphyleona*, in grassland, in Nova Scotia 300
- Symphyta*
control of
Bacillus thuringiensis for 6819
insecticides for 917, 2657
in Romania 2631
in forests, in Canada 917
in larch forests, effects of insecticides on 5660
keys to 426
parasites of 5825
- Symphytum officinale*
Acleris latifasciana on, in Yugoslavia 4591
plum pox virus in, aphid transmission of 5572
- Sympiesis aburianus*
in Malagasy Republic 5540
parasitised by
Pediobius coffeicola, in West Africa 1166
P. vigintiquinque, in West Africa 1166
parasitising
Balyana spp., in Malagasy Republic 5540
Coelaenomenodera elaeidis, in West Africa 1166
C. perrieri, in Malagasy Republic 5540
- Sympiesis gordius*
in USSR 6726
parasitising, *Phyllonorycter pyrifoliella*, in Russian Republic 6726
- Sympiesis sericeicornis*
in USSR 6726
- Sympiesis sericeicornis* contd.
parasitising, *Phyllonorycter pyrifoliella*, in Russian Republic 6726
- Sympiesis thapsianae*
sp. n., description of 4598
in Italy 4598
parasitising, *Epinotia thapsiana*, in Italy 4598
- Sympiesis viridula*
in USA 5508
parasitising, *Ostrinia nubilalis*, in Massachusetts 5508
- Synanthedon myopaeformis*
biology of 6117
in Switzerland 6117
in West Germany 2874
on apple, in West Germany 2874
on pear 6733
damage caused by 6117
in Switzerland 6117
- Synanthedon pictipes* (see also *Aegeria pictipes*)
calling behaviour in 4109
egg-hatch in 3468
in USA 4109
- Synanthedon rhododendri*
in USA 6202
on rhododendron, in Alabama 6202
- Synanthedon tipuliformis*
biology of 6712, 6741
control of, insecticides for 1396, 6741
in France 6712
in Italy 6741
in Poland 1396
on black currant
in France 6712
in Poland 1396
on gooseberry, in France 6712
on persimmon
damage caused by 6741
in Italy 6741
parasitised by
Apanteles praetor, in France 6712
Macrocentrus marginator, in France 6712
rearing of, techniques for 6741
- synchromus*, *Agonatopoides*
- Synergists*
for *Mythimna unipuncta* nuclear polyhedrosis virus 6338
substances tested as:
dill extracts 1649
monothioquinol phosphate esters and related compounds 4541
- Synergus pallicornis*
in Netherlands 424
on *Quercus*, in Netherlands 424
- syngenesiae*, *Phytomyza*
- Syngrapha circumflexa*
biology of 4182
in Egypt 4182
on crop plants, in Egypt 4182

***Syngrapha circumflexa* contd.**

- on ornamental plants, in Egypt 4182
- parasitised by, *Apanteles ruficrus*, in Egypt 4182

Synnematium jonesii, in, *Mimela costata*, in Japan 4469

***Synodontis* (dried)**

- Dermestes maculatus* in, in Nigeria 4426
- Necrobia rufipes* in, in Nigeria 4426

Synopeas talhouki

- sp. nov., description of 7014
- in Lebanon 7014
- parasitising, *Odinadiplosis amygdali*, in Lebanon 7014

Synoxylon sexdentatum

- biology of 7291
- control of
 - cultural measures for 7291
 - insecticides for 7291
- in Italy 7291
- on grapevine
 - damage caused by 7291
 - in Italy 7291
- taxonomy of 7291

Syntexidae*, keys to 426**Syntexis libocedrii***

- descriptions of 426
- in USA 426
- on *Juniperus occidentalis* 426
- on *Libocedrus decurrens* 426
- on *Thuja plicata* 426
- taxonomy of 426

Synthase, phenoxazinone, in *Drosophila melanogaster* 6467

Synthetase, fatty-acid, in *Ceratitis capitata*, activity pattern of 1067

Syntomosphyrum

- parasitising
 - Asphondylia capsici*, in Tamil Nadu 7384
 - Ceratitis coffeae*, in Uganda 1496

Syria

- Capnodis carbonaria* in, on almond 6097
- C. tenebrionis* in, on almond 6097
- Cenopalpus musai* in 7011
- Cerambyx dux* in, on almond 6097
- mealybugs in, on grapevine and fig 4302
- Prolasioptera berlesiana* in, natural enemies of 6552

syriacus*, *Tenebrio

Syringa vulgaris (see Lilac)

syringae*, *Podosesia***Syringopais temperatella***

- control of, insecticides for 2786
- in Cyprus 2786
- on barley, in Cyprus 2786

Syrphidae

- activity in 1870
- biology of 1897
- fecundity in, effects of diet on 1121
- in South Korea 3481
- in Switzerland 3372

Syrphidae contd.

- in USSR 1870, 7204
 - in larch forests, effects of insecticides on 5660
 - in olive groves, effects of insecticides on 1643
 - in pear orchards, in France 7546
 - insecticides in, toxicity of 1049
 - on sugar-beet
 - in England 4345
 - pollination by 4345
 - parasites of, in Kenya 1897
 - parasitised by
 - Encyrtidae, in Poland 185
 - Ichneumonidae, in Poland 185
 - Pteromalidae, in Poland 185
 - prey of
 - in Kenya 1897
 - in Rhodesia 1049
 - preying on
 - Acyrtosiphon pisum*
 - in Bulgaria 2262
 - in California 5528
 - in Poland 2838
 - in USSR 5456
 - aphids
 - in Bulgaria 1939
 - in Maine 878
 - in Poland 185–186
 - Cinara cedri*, in Italy 3727
 - Macrosiphum rosae*, in Bulgaria 1499
 - Melanaphis sacchari*, in South Africa 5952
 - Saissetia oleae*, in Italy 1643
 - Schizaphis graminum*, in Ukraine 6073
 - Therioaphis trifolii*, in California 5528
 - Umbonia crassicornis* 6534
 - rearing of
 - diets for 1121
 - techniques for 5925, 7207
- Syrphonematidae**, in, insects 957
- Syrphophagus**
- parasitising
 - Ischiodon aegyptius*, in Egypt 4775
 - Metasyrphus corollae*, in Egypt 4773–4774
 - Paragus serratus*, in Gujarat 6009
- Syrphus**
- in sorghum fields, in Texas 7276
 - preying on, aphids, in Italy 1407
- Syrphus balteatus*** (see *Episyrphus*)
- Syrphus confrater*** (see *Metasyrphus*)
- Syrphus corollae*** (see *Metasyrphus*)
- Syrphus luniger*** (see *Metasyrphus*)
- Syrphus nitens*** (see *Metasyrphus*)
- Syrphus opinator***
- in USA 5528
 - preying on
 - Acyrtosiphon pisum*, in California 5528
 - Therioaphis trifolii*, in California 5528

- Syrphus ribesii***
 emergence in 7105
 in Czechoslovakia 7105
 in Poland 186
 in cabbage fields, in Czechoslovakia 7105
 overwintering in 7105
 preying on
 Anoecia corni, in Poland 186
 aphids 7105
 Aphis fabae, in Poland 186
 Macrosiphum rosae, in Poland 186
 Myzus persicae 201
- Syrphus shorae***
 descriptions of 283
 in Peru 283
 preying on, *Rhopalosiphum maidis*, in Peru 185
- Syrphus torvus***
 in Poland 185
 preying on, aphids, in Poland 185
- Syrphus vitripennis***
 biology of 1877
 emergence in 7105
 in Czechoslovakia 7105
 in Poland 186
 in USSR 1877
 in cabbage fields, in Czechoslovakia 7105
 overwintering in 7105
 preying on
 Anoecia corni, in Poland 186
 aphids 7105
 Aphis sambuci, in Poland 186
 Macrosiphum rosae, in Poland 186
- Syrup**, with molasses, and trichlorphon 5488
- Systasis***, parasitising, *Asphondylia sesami*, in Rajasthan 1890
- Systasis encyrtoides***
 in France 1984
 parasitising, *Contarinia medicaginis*, in France 1984
- Systema***, on cotton, in Venezuela 2091
- Systema frontalis***
 descriptions of 2851
 in Canada 2851
 on strawberry
 damage caused by 2851
 in Quebec 2851
- Systox** (see Demeton)
- Syzygium aromaticum*** (see Clove)
- Syzygium jambas***
Raoiella macfarlanei on, in Karnataka 3634
Trabala vishnou on, in Karnataka 158
- szekessyi**, *Xylotrupes gideon*
- szelenyii**, *Mesopolobus*
- szelenyii**, *Telenomus*
- Szelenyinus brevinervis***
 gen. et sp. nov., description of 1726
 in Italy 1726
- szentivanyi**, *Pantorhytes*
- tabaci**, *Bemisia*
- tabaci**, *Thrips*
- tabaniformis**, *Paranthrene*
- Tabernaemontana dichotoma***, juvenile-hormone activity of extracts of 4064
- tachardiæ**, *Brachymeria*
- Tachina***, parasitising, *Phthorimaea operculella*, in Zambia 2070
- Tachina fera***
 in France 548
 parasitising
 Autographa gamma, in France 548
 Mythimna unipuncta, in France 548
 Peridroma saucia, in France 548
- Tachina praeceps***
 in Yugoslavia 5479
 parasitising, *Calophasia casta*, in Yugoslavia 5479
- Tachinaephagus zealandicus***
 in Australia 2972
 in New Zealand 2972
 in USA 2972
 parasitising, *Tritoxa flexa*, in Ohio 2972
- Tachinidae**
 hosts of, in France 548
 in Mongolia 4142
 parasitised by, *Phygadeuon* spp. 1284
 parasitising
 Dasychira albodentata, in USSR 1875
 Dendrolimus punctatus, in Vietnam 3740
 Eriopota thrax, in Indonesia 726
 Eurygaster integriceps, in Caucasus 4809
 Heliothis armigera, in Thailand 3176
 Hyphantria cunea, in Yugoslavia 6546
 Lasiocampidae, in USSR 1874
 Lepidoptera
 in Brazil 4808
 in Switzerland 2128
 Lymantria dispar
 in Romania 2206
 in Yugoslavia 5361
 L. monacha, in USSR 1878
 Lymantriidae, in USSR 1874
 Mocis frugalis, in Karnataka 3578
 Mythimna unipuncta, in Soviet Far East 6077
- Noctuidae**
 in Chile 699
 in USSR 6620
- Oxyacan***, *fuscomaculatus*, in Tasmania 1366
- Pieris rapae***, in Kagawa Prefecture 1886-1887
- Pselliopus cinctus***, in Missouri 4804
- Rhyacionia bushnellii***, in Great Plains 183
- Spodoptera frugiperda***, in Colombia 3540
- Tipulidae**, in UK 7589

Tachinidae contd.

parasitising contd.

Tortrix capensana, in South Africa

5957

reviews of 6628

Tachyporus

in grain fields, in England 4772

in pine forests, in Ukraine 6220

on fungi, in England 4772

preying on, *Hylemya brassicae*, in Poland 4782**Tachyporus chrysomelinus**

in UK 4772

in grain fields, in England 4772

preying on, aphids, in England 4772

taedae, Neodiprion**taeniata, Poecilotrapphera****Taenioglyptes fulvus**

attractants for 3755

brood production in, effects of attack density on 6210

in Japan 3755

on *Pinus densiflora* 6210**Taeniothrips**

in Himachal Pradesh 7028

on Chinese cabbage, in Himachal Pradesh 4715

Taeniothrips atratus

in Bulgaria 1333

on *Atropa belladonna*, in Bulgaria 1333on *Centaurea jacea*, in Bulgaria 1333on *Datura innoxia*, in Bulgaria 1333**Taeniothrips gladioli** (see *T. simplex*)**Taeniothrips laricivorus**

control of, insecticides for 3301

on *Larix* 3301**Taeniothrips simplex**

control of 7408

insecticides for 3027

in Bulgaria 3027

on *Gladiolus* 7408

in Bulgaria 3027

on ornamental plants, in Bulgaria 3027

Taeniothrips sjostedti, on *Vigna unguiculata*,

resistance to 7353

Tagetes, Telephila spp. on, development of 1326**Taiwan***Aleurocanthus spiniferus* in

natural enemies of 6748

on *Citrus* 6748*Alissonotum impressicollae* in, on sugar-cane 255*Anomis flava* in, natural enemies of 4226

ants in 3645

aphids in, natural enemies of 6635

Aphrodisium thomsoni in, on *Castanea* 4305*Apis cerana* in, mites associated with 4745*A. mellifera* in, mites associated with 4745**Taiwan contd.***Apriona germaria* in, on *Castanea* 4305*Bracon hebetor* in 4229*Cataphrodismus rubripennis* in, on pear 4318*Chrysomphalus aonidum* in

natural enemies of 3636

on *Citrus* 3636*Dysmicoccus brevipes* in, on pineapple 3645

entomological research in 3974

Eriophyoidea in 4187*Fiorinia horii* group in, on *Rhododendron* 2321*Heteropeza pygmaea* in

natural enemies of 809

on mushroom 809

Matsumuratettix hiroglyphicus in 256*Melanotus tamsuyensis* in, on sugar-cane 255

mites in, on grapevine 1403

Mogannia hebes in

natural enemies of 247

on sugar-cane 247, 255

M. kashotoensis in, on sugar-cane 255*Nephotettix cincticeps* in

natural enemies of 1961, 2801, 4862

on rice 4862

N. virescens in, natural enemies of 4276*Nilaparvata lugens* in, natural enemies of

1961, 2801

Oxya intricata in

natural enemies of 2802

on rice 2802

Palimna palimnoides in, on *Castanea* 4305*Phytobia cepae* in, on Amaryllidaceae 379

Phytoseiidae in 5833

Pieris spp. in, natural enemies of 2719*P. rapae* in, natural enemies of 4226*Plutella xylostella* in 667

natural enemies of 2917

on cabbage 2917

Psyllidae in, on *Ficus nervosa* 5575

rice in, pests of 2247

rice stalk-borers in, natural enemies of 3595

rice stem-borers in 1958

soy bean seeds in, pests of 4441

Spodoptera litura in 568

natural enemies of 4226

stored grain in, pests of 4441

Tetranychidae in 5371

Tetranychus truncatus in

natural enemies of 2909

on vegetable crops 2909

Thrips tabaci in, on onion 380*taiwanensis*, *Vulgichneumon**taiwanum*, *Chloridolum loochooanum* (see*Aphrodisium thomsoni*)*takagii*, *Pristiphora*

- takeyai*, *Stephanitis*
talaca, *Hyposidra*
Talauma pumilla, *Diaspis boisduvalii* on, in
 Colombia 5532
Talc, against, *Callosobruchus chinensis*
 3800
Talcord (see *Thiocarboxime*)
talhouki, *Eriogaster amygdali*
talhouki, *Synopeas*
talpa, *Chorinaeus*
Talpa europaea, carbaryl in, effects on
 reproduction of 6971
taltula, *Hyponeuma*
Tamarillo, *Phthorimaea operculella* on, in
 New Zealand 3686
Tamarindus indica, juvenile-hormone activity
 of extracts of 4064
Tamarix gallica, *Afroigagnathus tawfiki* on,
 in Egypt 4590
Tamaron (see *Methamidophos*)
Tambinia maculosa, taxonomy of,
 transferred to *Numicia* 6999
tamsuyensis, *Melanotus*
tamulus, *Aiolopus*
Tana paulseni
 descriptions of 685
 in Chile 685
 in grassland, in Chile 685
 on *Brassica*, in Chile 685
 on wheat, in Chile 685
Tangerine (see *Mandarin* and *tangerine*)
Taniva albolineana
 control of, insecticides for 3043
 in Canada 3043
 on *Picea pungens*, in Alberta 3043
Tannic acid (see *Tannins*)
Tannins, *Lymantria dispar* feeding responses
 to 4112
Tanymecus dilaticollis
 activity in, effects of temperature on
 2515
 control of, insecticides for 1350
 descriptions of 26
 in Bulgaria 1194
 in Romania 26, 1350, 2515
 in Yugoslavia 1351
 on maize
 in Bulgaria 1194
 in Romania 26, 1350, 2515
 in Yugoslavia 1351
 population growth in, effects of irrigation
 on 1194
 reproductive organs in 4022
 sexual dimorphism in 26
Tanymecus palliatus
 in Yugoslavia 1351
 on maize, in Yugoslavia 1351
Tanzania
Acanthomia tomentosicollis in, on bean
 510
Ancistrotermes latinotus in
 in dwellings 4232
Tanzania contd.
Ancistrotermes latinotus in *contd.*
 on *Eucalyptus* 4232
 aphids in 5918
Aulacaspis tegalensis in
 natural enemies of 245, 3362
 on sugar-cane 239, 245, 3362
Dysdercus spp. in, on kenaf 900
Eldana saccharina in
 natural enemies of 260
 on sugar-cane 257, 260
Gorgopsis libania in, in exotic pastures
 4287
 grasshoppers in, in grassland 116
Heteronychus basilewskyi in, in exotic
 pastures 4287
Leucoptera coffeina in, on cacao 6197
L. meyricki in, on cacao 6197
Mycodiplosis hemileiae in, on coffee
 3018
Nomadacris septemfasciata in 5415
Oxycaenus hyalinipennis in, on kenaf
 900
Pleophylla spp. in, in exotic pastures
 4287
Podagrica weisei in, on kenaf 900
Spodoptera exempta in 2647, 3355
tapetzella, *Trichophaga*
Tapeworm, dwarf (see *Hymenolepis nana*)
Taphronota
 in Africa 9
 keys to 9
Tapioca (see *Cassava*)
taprobanus, *Dryocoetes*
Tar oils, with DNOC, in *Anthocoris*
nemorum, toxicity of 5436
Tarachodes afzelii, mating behaviour in
 7113
taragamae, *Apanteles*
tarandus, *Oxyrhachis*
Taraxacum officinale
Melolontha melolontha on, development
 of 1759
Reduviidae on, feeding by 1915
Tardigrades, in pastures, effects of
 insecticides on 2833
tardus, *Adelges*, (*Chermes*)
Taro (see *Colocasia*)
Tarophagus proserpina
 in Solomon Islands 1472
 on *Colocasia esculenta*, in Solomon
 Islands 1472
 virus-like particles in 4449
tarsalis, *Melichares* (*Blattisocius*)
Tarsonemidae
 biology of 2326
 preyed on by, *Anystis baccarum* 5995
Tarsonemus myceliophagus
 control of, acaricides for 2740
 on mushroom 2740
Tarsonemus pallidus
 biology of 1392

***Tarsonemus pallidus* contd.**

- control of 1392
- acaricides for 5544
- hot-water treatment for 5543
- in Venezuela 1392
- on strawberry
- damage caused by 5544
- in Venezuela 1392

Tartarogryllus burdigalensis*, in Poland 7136*Tasmania**

- Aphodius tasmaniae* in, natural enemies of 1596
- Chrysophtharta* spp. in, on *Eucalyptus* 6208
- Cydia pomonella* in, on apple 6731
- Epiphyas postvittana* in, on apple 6731
- insect pests in 2679–2680, 7164
- Oncopera* spp. in, in pastures 1366
- Oxycanus fuscomaculatus* in
- in pastures 1366
- natural enemies of 1366
- Panonychus ulmi* in, natural enemies of 2869
- Persectania ewingii* in 4115
- Sirex noctilio* in, on *Pinus* 3073
- vegetable gardens in, pest control in 6915
- Vespula germanica* in 4203

tasmaniae*, *Aphodius***tasmanicus*, *Apanteles******tatarica*, *Cyrtacanthacris******Tatuzinho* (see *Dieldrin*)*****tawfiki*, *Afrogigagnathus******taxi*, *Taxomyia******Taxodium distichum*, *Masonaphis morrisoni***

on, in England 5409

Taxomyia taxi

- biology of 6209
- descriptions of 6209
- in UK 6209
- on *Taxus baccata*
- effects of 2153
- in England 6209

Taxus*, *Otiorynchus sulcatus* on, in USA 1739**taxus*, *Aonidiella******Taxus baccata***

- extracts of, *Lymantria dispar* feeding responses to 4112
- Taxomyia taxi* on
- effects of 2153
- in England 6209

taylori*, *Afrohippus***tchadi*, *Tetranychus*****TD-8550 (see *Mecarphon*)****TDE (see *DDD*)*****p,p'*-TDEE (see *Benzene*, 1,1'-(chloroethenylidene)bis[4-chloro-])****Tea (*Camellia sinensis*)**

- Acaphylla theae* on, in Taiwan 4187

Tea contd.

- Adoxophyes fasciata* on, in Japan 786, 1849

- A. orana* on, in Japan 2109

- arthropod pests of 6801

- Brevipalpus californicus* on, in Sri Lanka 1498

- B. phoenicis* on, in India 2981

- Calacarus carinatus* on

- in Sri Lanka 1498

- in Taiwan 4187

- dimethoate in, residues of 5781

- Homona magnanima* on, in Japan 2109

- Lepidoptera on, in Japan 3841

- malathion in, residues of 5781

- Neostauropus alternus* on, in India 4917

- Oligonychus coffeae* on, in Sri Lanka 1498

- pest control on 404, 6801

- in Sri Lanka 536

- pests of

- in Assam 2108

- in India 405, 3022

- in Sri Lanka 404

- natural enemies of 405

- phoxim in

- photodegradation of 2107

- residues of 2107

- Scirtothrips bispinosus* on, in Tamil Nadu 4991

- Xyleborus fornicatus* on

- distribution pattern of 3023

- in Sri Lanka 404

Tea fields, Hymenoptera in, effects of insecticides on 2109**Teak (see *Tectona grandis*)*****Tebenna*, in Japan 7364*****Tebenna bjerikandrella*, taxonomy of,**

- Tebenna issikii* misidentified as, in Japan 7364

Tebenna issikii

- in Japan 7364

- on *Arctium lappa*, in Japan 7364

- taxonomy of, misidentified as *T.*

- bjerikandrella* 7364

Tebi (see *Brewers' yeast*)**Techniques**

- computer mapping in pest management 3259

- computer models for population dynamics of predators and prey 3478

- experimental hybridisation for studies in taxonomy 5828

- for adding naphthalene to insect collections 6584

- for administering chemosterilants 7571

- for amputating stylets 2551

- for analysis of insect ocellar electroretinogram 1853

- for analysis of pesticide residues 7616

- for collecting pheromones from air 4631

Techniques contd.

- for detecting eggs of *Lymantria dispar* using dogs 6575
- for detecting insects in stored grain 1551
- for detecting pesticide resistance in arthropods 1203-1207
- for determination of insecticide residues in food crops 6562
- for determination of organochlorine insecticides 6560
- for determining occurrence of pests from the literature 2626
- for estimating density of eggs of *Hylemya coarctata* in soil 1000
- for estimation of pesticide degradation dynamics in plants 525
- for estimation of volume median diameter of pesticide spray spectrum 118
- for evaluating competitiveness of sterile insects 130
- for evaluating pesticides with cell cultures 6564
- for extraction of soil microfauna 120
- for grading population level in relation to a critical density 2556
- for identification of microorganisms used in insect control 3140
- for identifying viruses attacking lucerne 4295
- for investigating insect flight 4717
- for isolation of clones from cell lines using fibrin clot method 5922
- for marking insects with phenolphthalein 4166
- for measuring emission rates of pheromone formulations 3163
- for measuring wetting of leaf surfaces 5380
- for microscopic study of soil arthropod fauna 2605
- for microscopy of unsquashed, stained organs of insects 2552
- for monitoring behavioural performance in insects 5129
- for monitoring genetic variation in laboratory insect populations 5128
- for obtaining cardiograms for intact insects 7062
- for particle size analysis in suspension concentrates 7148
- for practical 35 mm close-up photography in entomology 4161
- for preservation of insect genitalia in fluid medium 5936
- for quantitative fractionation of insect cuticle 1750
- for quantitative sampling of Lepidoptera on conifers 1228
- for sampling and evaluating invertebrate populations in soil 5931
- for sampling insect pests 6565

Techniques contd.

- for sampling pesticide residues in air 3884
- for separating and detecting carboxylesterases 7577
- for separating arthropods from soil samples 2606
- for separating insects from foodstuffs 6300
- for separating isomers of sex pheromones 127
- for separating tryptophan metabolites 6557
- for separation of two insect viruses in suspension 4158
- for studying insect development 6458
- for studying transmission of plant viruses 7157
- for surveillance and forecasting of field crop pests 4520
- for testing resistance of materials to termites 1919
- for tracking insects in electric fields 7149
- infra-red carbon dioxide detection of hidden insects 1843
- infrared attenuation total reflection spectrometry for detecting pesticide residues 126
- neutron activation of rare earth markers 2578
- radioimmunoassay for pesticide detection 7151
- screening for mycotoxins with *Tenebrio molitor* 4159
- Technomyrmex albigus***
 - in Papua New Guinea 1270, 1490
 - in cacao plantations, in Papua New Guinea 1270
 - on cacao, in Papua New Guinea 1490
- Tecoma stans*, *Mylabris pustulata*** on, in Uttar Pradesh 3731
- Tectona grandis***
 - Coptotermes heimi* on, resistance to 3561
 - extracts of, in *Dysdercus cingulatus*, JH activity of 4529
 - Neotermes tectonae* on, in Java 5043
 - Psalis pennatula* on 6790
 - Pyrausta machaeralis* on, in India 4087, 7438
 - Xyleutes ceramicus* on, in Indonesia 5044
- tectonae*, *Neotermes tedella*, *Epinotia* (*Epiblema*) *tedellae*, *Apanteles***
- Tedion** (see *Tetradifon*)
- tegalensis*, *Aulacaspis tegolophus ipomoeifoliae***
 - sp. nov., description of 2325
 - on sweet potato 2325

***Tegolophus perseae* florae**

sp. nov., description of 2325
on avocado 2325

Tegolophus ringsi

sp. n., description of 3985
in USA 3985
on *Celtis occidentalis*, in Ohio 3985

Tegolophus spongiosus

sp. n., description of 3985
in USA 3985
on *Maclura pomifera*, in Ohio 3985

telarius*, *Tetranychus* (see *T. urticae*)**Telea polyphemus***

enzymes in 5888
sex pheromone of, identity of 4073

telenomicida*, *Ooencyrtus

Telenomini, in Romania 2629

Telenomus

in Romania 2629
insecticides in, toxicity of 2811
parasitising
Agrius convolvuli, in Karnataka 1882
Chrysopa carnea, in Gujarat 6009
Dendrolimus punctatus, in Vietnam 3740
Eurygaster integriceps, in Bulgaria 1347
Hydria prunivora, in New York 1425
Leucoma salicis, in Russian Republic 6817
Mamestra brassicae, in Japan 870
Plathypena scabra, in Iowa 1916
Pygaera anastomosis, in Pakistan 3758
taxonomy of 6997

Telenomus alsophilae

in USA 2147
parasitising, *Ennomos subsignarius*, in Connecticut 2147

Telenomus chloropus

host-seeking behaviour in, stimulated by host extracts 2727
in USSR 4811, 6352
parasitising
Eurygaster integriceps 2727
in Caucasus 4809, 6352
in USSR 4811

Telenomus dalmanni

biology of 3030
in Austria 439
in West Germany 912, 3030, 5663
parasitising
Colotois pennaria, in Austria 439
Orgyia antiqua, in West Germany 912, 3030, 5663

Telenomus dignoides

biology of 5512
in India 5512
parasitising, *Scirpophaga incertulas*, in Orissa 5512

Telenomus dignus

in Hong Kong 2809

***Telenomus dignus* contd.**

parasitising, *Scirpophaga incertulas*, in Hong Kong 2809

Telenomus grandis*, in USSR 4809**Telenomus perplexus* 6009*****Telenomus phalaenarum***

biology of 3545
in Bulgaria 3545
parasitising
Euproctis similis, in Bulgaria 3545
Lymantria dispar, in Bulgaria 3545
Malacosoma neustria, in Bulgaria 3545

Telenomus remus

biology of 2472
hosts of, selection of 793
in India 2472
parasitising
Spodoptera littoralis 793
and biological control using, in Israel 2472
sex pheromone of 2472

Telenomus rowani

in Malaysia 4849
parasitising, *Scirpophaga incertulas*, in Malaya 4849

Telenomus szelenyii

sp. n., description of 1720
in USA 1720
parasitising, *Leucoma salicis*, in District of Columbia 1720

Teloeagryllus

biology of 2966
on potato, in Queensland 2966

Teloeagryllus commodus

embryonic development in 5434
enzymes in 5434
locomotory activity in, circadian rhythm of 45, 102
phonotactic behaviour in 2699
song of 2699
stridulatory activity in, circadian rhythm of 45, 102

Teloeagryllus mitratus

in Japan 1358
preying on, *Chilo suppressalis*, in Japan 1358

Teleonemia*, in Florida 6657**Teleonemia belfragii***

in USA 6657
taxonomy of, characters distinguishing *T. scrupulosa* and 6657

Teleonemia proluxa

in Argentina 4240
in Brazil 4240
on *Lantana camara*
and biological control using, in Queensland 4240
in South America 4240

Teleonemia sacchari

in USA 6657

- Teleonemia sacchari** *contd.*
 taxonomy of, characters distinguishing *T. scrupulosa* and 6657
- Teleonemia scrupulosa**
 biology of 6657
 descriptions of 6657
 distribution of 6657
 on *Lantana camara*
 and biological control using 6657
 in Queensland 2746
 on sesame, in East Africa 6657
 seasonal abundance of 2746
 taxonomy of
 characters distinguishing *T. belfragii* and 6657
 characters distinguishing *T. sacchari* and 6657
- Teleonemia validicornis**
 in Brazil 1328
 on *Jacaranda acutifolia*, development of 1328
- Teleopteris erxias**
 in Greece 6552
 parasitising, *Dacus oleae*, in Greece 6552
 taxonomy of, characters distinguishing *T. notandus* and 6552
- Teleopteris notandus**, taxonomy of, characters distinguishing *T. erxias* and 6552
- Telephila delotella**
 group of
 food-plant specificity in 1326
 on *Eupatorium odoratum*, in Trinidad 1326
- Telicota ohara**
 in India 5510
 on rice, in India 5510
- Telodrin** (see Isobenzan)
- Telisia nigra**
 in Japan 785
 preying on, *Quadraspidiotus macroporatus*, in Japan 785
- Temelucha**, parasitising, *Phthorimaea operculella*, in South America 1277
- Temelucha interruptor**
 in West Germany 202
 parasitising
 Rhyacionia buoliana
 and biological control using, in Canada 202
 in West Germany 202
- Temelucha kanamitsui**
 sp. nov., description of 1094
 in Japan 1094
- Temephos** (*O, O'*-(thiodi-4,1-phenylene) bis(*O, O*-dimethyl phosphorothioate))
 against
 Agrotis ipsilon, on lettuce 2661
 Aphis fabae, on *Vicia faba* 5600
 Baliothrips bififormis, on rice 6687
 Diaprepes abbreviatus 4994
 Hylemya brassicae, on cabbage 351
- Temephos** *contd.*
 against *contd.*
 Lasioderma serricorne 1547
 Listronotus oregonensis 877
 Peridroma saucia, on lettuce 2661
 pests of *Citrus* 5955
 pests of orange 6139
 Sitophilus oryzae 1025
 Tribolium castaneum 1025
 in *Euglena gracilis*, effects of 3922
 in orange groves, non-target effects of 4327
 in *Sitophilus oryzae*, effects of diet on susceptibility to 1025
 in *Tribolium castaneum*, effects of diet on susceptibility to 1025
- temera, Euxoa**
- Temik** (see Aldicarb)
- Temnochila chlorodia** (see *T. virescens chlorodia*)
- Temnochila virescens chlorodia**
 effects of prey pheromones on 5023
 pheromones in 5030
 preying on, *Dendroctonus brevicomis* 5023
- Temnorhinus brevirostris** (see *Conorhynchus*)
- Temnorhinus elongatus** (see *Conorhynchus*)
- Temnorhinus hololeucus** (see *Conorhynchus*)
- Temnorhinus verecundus** (see *Conorhynchus*)
- Temnoschoita**
 control of, insecticides for 1385
 on banana 1385
 on coconut
 damage caused by 1385
 in West Africa 1385
 on oil palm
 damage caused by 1385
 in West Africa 1385
- Temnoschoita quadripustulata**
 control of, insecticides for 1385
 on coconut
 damage caused by 1385
 in West Africa 1385
 on oil palm
 damage caused by 1385
 in West Africa 1385
- temperatella, Syringopais tenax, Eristalis tenebralis, Anisoplia tenebricosa, Melanaspis Tenebrio**
 in *Ephestia kuehniella* nests 4712
 preyed on by, *Formica polyctena* 757
- Tenebrio molitor**
 bithiolcarbamates in, growth-regulator activity of 6940
 control of, growth regulators for 3876, 5298, 6937
 cuticular sclerotisation in 1117
 descriptions of 3794

***Tenebrio molitor* contd.**

- enzymes in 4039, 6481, 6983
- farnesane derivatives in, growth-regulator activity of 6939
- fecundity in, effects of radiofrequency irradiation on 2484
- glucose in, catabolism of 4625
- in flour, damage caused by 3794
- in meal, damage caused by 3794
- in oilseed meals, role of non-proteins in nutritional value of 2422

JH mimics in

- activity of 594, 2445
- bioassay for 3102
- effects on morphology of 1709
- metabolism of 1128

life-cycle of 3794

locomotory activity in, relation of background visual stimuli to 2510

mating in 572

methoprene in

- effects of 5941
- metabolism of 5941

moulting hormones in, synthesis of 53

mycotoxin detection using 4159

ovarian development in, effects of fat body on 2436

ovaries in, effects of γ -irradiation on 1789preyed on by, *Formica polyctena* 1266

reproduction in 572

reproductive system in, development of 6458

testes in, effects of γ -irradiation on 1789

translational control in 2404

turning behaviour in 1802

urethane in, effects of 4668

virus-like particles in, morphology of 2207

Tenebrio syriacus

in Egypt 451

in flour mills, in Egypt 451

seasonal abundance of 451

tenebrioides*, *Zabrus**Tenebrionidae**

defensive behaviour in 2403

defensive secretion in 2403

in Mongolia 4142

in UK 7

in foodstuffs 6855

on sunflower, in Yugoslavia 4972

preying on, bark beetles, in USSR 6627

silk of, chromatographic analysis of 4049

taxonomy of 10

Tenebrionini

defensive behaviour in 2403

defensive secretion in 2403

tenebrionis*, *Capnodis***Tenebroides*, in *Ephestia kuehniella* nests**

4712

Tenebroides mauritanicus

bromomethane susceptibility in, effects of temperature on 3094

control of

fumigants for 3094

tricalcium phosphate for 1548

in Egypt 451

in Portugal 1535

in Yugoslavia 4485

in flour mills

in Egypt 451

in Portugal 1535

in mills, in Yugoslavia 4485

in packaging materials

damage caused by 3261

penetration by 6291

in stored almonds, in Portugal 1542

preying on

Oryzaephilus surinamensis 7472*Rhyzopertha dominica* 7472*Sitophilus oryzae* 7472

seasonal abundance of 451

tenellus*, *Neolittoridius*, (*Circulifer*)*Tennessee***Diatraea grandiosella* in 6425*Osmia georgica* in 4695*Periploca mimula* in, on *Juniperus* 5019**Tenthredinidae**, in Romania 2631***tenthredinis*, *Mesoleius*****Tenuazonic acid** (see 2,4-Pyrrolidinedione, 3-acetyl-5-(1-methylpropyl)-)***tenuicera*, *Isophya******tenuicornis*, *Eupelmus******tenuicornis*, *Riptortus*****Tenuipalpidae**

biology of 2326

in Brazil 6550

in Paraguay 6550

Tenuipalpus*, in Mexico 1722**Tenuipalpus latisetia***

descriptions of 6550

illustrations of 6550

in Brazil 6550

Tenuipalpus zhizhilashvilliae

in Taiwan 1403

on grapevine, in Taiwan 1403

tenuis*, *Boreoiulus***tenuis*, *Cyrtopeltis***(*Nesidiocoris*)***tenuis*, *Scaphytopius acutus******tenuitarsis*, *Glypta******Tepa* (1,1',1''-phosphinylidynetris[aziridine])**in *Ceratitis capitata*, effects on

reproductive organs of 3238

in *Dacus cucurbitae*, effects on

reproductive organs of 3238

in *Dacus dorsalis*, effects on reproductive

organs of 3238

in *Dysdercus cingulatus*

effects of 5894

toxicity of 5894

Tepa *contd.*

- in *Ephestia kuehniella*, effects on neurosecretion of 6497
- in *Locusta migratoria*, gonad necrosis caused by 7102
- in *Tribolium castaneum*
 - effects on sperm of 2466
 - toxicity of 616

sterilant for

- Aphis fabae* 5320
- Callosobruchus chinensis* 3436
- Corcyra cephalonica* 6861
- Dacus tryoni* 6519
- Diparopsis castanea* 4688
- Dysdercus cingulatus* 7101
- Laodelphax striatella* 3436
- Nephotettix cincticeps* 3436
- Tribolium castaneum* 616

Tephрина arenearia

- control of, insecticides for 1986
- in Bulgaria 1986
- on lucerne, in Bulgaria 1986

Tephritidae

- biology of 6906
- in Mongolia 4142
- on peach, in California 4145
- parasitised by, *Phygadeuon* spp. 1284
- sympatric host race formation in 4682

Tephritis dilacerata

- in Austria 2752
- in Switzerland 2752
- on *Sonchus*

- and biological control using 2752
- in Austria 2752
- in Switzerland 2752

Tephritis obliqua (see *Anastrepha*)**Tephrosia**, groundnut stunt virus in 3120**tepidariorum, Achaeareana, (Theridion)****TEPP** (tetraethyl diphosphate)

against

- Aphis pomi*, on apple 1418
- A. solanella*, on globe artichoke 1438
- Brachycaudus cardui*, on globe artichoke 1438
- Capitophorus elaeagni*, on globe artichoke 1438
- Coccidohystrix insolita*, on eggplant 6178
- Dysaphis cynarae*, on globe artichoke 1438

- in *Trichoplusia ni*, effects on ocellus responses of 1765

- resistance to, in, *Amblyseius fallacis*, in Michigan 6025

Teration (see Phosphorodithioic acid, *O*-ethyl *S*-[2-(ethylthio)ethyl] *O*-methyl ester)**Teratogens, Bacillus thuringiensis** β -exotoxin 4484**Terbufos** (see Phosphorodithioic acid, *S*-[[[(1,1-dimethylethyl)thio]methyl] *O,O*-diethyl ester)**Terbufos sulfone** (see Phosphorodithioic acid, *S*-[[[(1,1-dimethylethyl)sulfonyl]methyl] *O,O*-diethyl ester)**Terbufos sulfoxide** (see Phosphorodithioic acid, *S*-[[[(1,1-dimethylethyl)sulfinyl]methyl] *O,O*-diethyl ester)**Terbutioate** (see Phosphorodithioic acid, *S*-[[[(1,1-dimethylethyl)thio]methyl] *O,O*-diethyl ester)**Terbutryne** (*N*-(1,1-dimethylethyl)-*N'*-ethyl-6-(methylthio)-1,3,5-triazine-2,4-diamine)

- with carbofuran, compatibility of 3202
- with carbofuran, and propazine, compatibility of 3202
- with disulfoton, compatibility of 3202
- with disulfoton, and propazine, compatibility of 3202
- with phorate, and propazine, compatibility of 3202

terebrans, Dendroctonus**terebrans, Eriborus****terebrantis, Orthogalumna****Terellia serratulae**

- food-plant specificity in 1323
- in Pakistan 1323
- on *Carduus*, and biological control using, in Pakistan 1323
- on *Carduus edelbergii*, in Pakistan 1323
- parasitised by

- Paraholaspis cothurnata*, in Pakistan 1323

- Tetrastichus* spp., in Pakistan 1323

tereticollis, Polydrusus**Teretrura tinctipennis**

- in Argentina 775
- parasitising, *Sericoides obesa*, in Argentina 775

Terias hecabe (see *Eurema*)**Teratomiris probosciodocoris**

- gen. et sp. n., description of 6031
- in Australia 6031
- on *Araucaria cunninghamii*, in Queensland 6031

Terminalia catappa

- Frankliniopsis vespiformis* on, in Mexico 3357

- Leptothrips mali* on, in Mexico 3357

- Selenothrips rubrocinctus* on, in Mexico 902

Terminalia ivorensis

- Auletobius kuntzeni* on, in Ghana 1090
- Parapoderus fuscicornis* on, in Ghana 1090

Terminalia paniculata, Neostauropus alternus on, in India 4917**terminalis, Agistemus****terminalis, Pissodes****terminifera, Chortoicetes****Termitaria snyderi**

in

- Reticulitermes* spp. in Florida 2213

Termitaria *snyderi* contd.

in contd.

***Reticulitermes* spp. contd.**

morphology of 2213

Termite (see Isoptera)**Termitidae, chromosomes in 4815****Terpenes**as repellents for *Reticulitermes lucifugus* 7683in *Anthonomus grandis* 72in *Pinus ponderosa*, role in *Dendroctonus brevicornis* resistance of 3765*Neodiprion rugifrons* feeding responses to 5765*N. swainei* feeding responses to 5765
chlorinatedagainst, *Anthonomus grandis* 3281with DDT, against, *Anthonomus**grandis* 3281**Terpental E-20 (see Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-, chlorinated)** **α -Terpinene (see 1,3-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-)** **α -Terpineol (see 3-Cyclohexene-1-methanol, $\alpha,\alpha,4$ -trimethyl-, (S)-)****4-Terpineol (see 3-Cyclohexen-1-ol, 4-methyl-1-(1-methylethyl)-)****Terpinolene (see Cyclohexene, 1-methyl-4-(1-methylethylidene)-)** **α -Terpinyl acetate (see 3-Cyclohexene-1-methanol, $\alpha,\alpha,4$ -trimethyl-, acetate, (S)-)****Terracur (see Fensulfothion)****Terracur-P (see Fensulfothion)****Terramycin (see Oxytetracycline)****Tersilochinae, in Europe 2635*****tersus*, *Apanteles******Tessaratomia papillosa***

in China 2901

on *Litchi chinensis*, in China 2901parasitised by, *Anastatus* spp., and
biological control using, in China

2901

tessellatum*, *Prosternon***tessellatus*, *Paraprociophilus*, (*Prociophilus*)*****tesseratus*, *Duplaspidiotus******tessmanni*, *Mesohomotoma*, (*Tyora*)*****testacea*, *Malacosoma neustria******testaceipes*, *Lysiphlebus******testaceus*, *Placonotus*, (*Laemophloeus*)*****testaceus*, *Pseudophilus******testaceus*, *Rhynchaenus******testudinea*, *Hoplocampa******testulalis*, *Maruca******Tetra kingi***

sp. n., description of 3985

in USA 3985

on *Magnolia acuminata*, in Ohio 3985**1,3,5,7-Tetraazatricyclo[3.3.1.1^{3,7}]decane (see Methenamine)**compound with α -hydroxybenzeneacetic
acid (1:1) (see Methenamine
mandelate)**Tetrachlorvinphos ((Z)-2-chloro-1-(2,4,5-trichlorophenyl)ethenyl dimethyl phosphate)**

against

Amrasca biguttula, on cotton 1484*Aphis gossypii*, on cotton 1484*A. pomi*, on apple 1418*Argyresthia thuiella* 1319*Attagenus megatoma* 6248*Brevicoryne brassicae*, on cabbage
4921*Bruchophagus roddi*, on lucerne 6084*Ceratitis capitata* 3941*Chilo polychrysus*, on rice 1951*C. suppressalis* 1657

on rice 1951

Conotrachelus nenuphar, on apple
7312*Cryptolestes ferrugineus*, in stored
wheat 5062*C. pusillus*, in stored wheat 5708*Cryptophlebia leucotreta*, on peach
5939*Cydia molesta*, on peach 2887*C. pomonella* 2864

on apple 3622, 6110

Earias spp., on cotton 1484*Heliothis armigera*, on maize 824*H. virescens*, on chickpea 707*H. zea*, on maize 3594, 5498*Hylemya brassicae*, on cabbage 2918*Hylobius abietis* 3071*H. pales* 1664*Lasioderma serricorne* 1547

Lepidoptera, on cabbage 4921

Leptinotarsa decemlineata, on potato
5629*Leucoptera scitella*, on apple 5559*Lipaphis erysimi*, on mustard 4545*Listronotus oregonensis* 877*Lobesia botrana*, on grapevine 315*Lymantria dispar* 2140*Meligethes aeneus*, on rape 1663*Neodiprion tsugae* 520*Nephotettix cincticeps* 1657*Pectinophora gossypiella*, on cotton
1484

pests of apple 1417

pests of cotton 3008

pests of rice 1356

pests of stored maize 6232

pests of stored products 6283

pests of wool textiles 6254

Phyllonorycter blancardella, on apple
5559*P. corylifoliella*, on apple 5559*Pieris brassicae* 2042*Pristiphora abietina*, on *Picea abies*
1525*Rhyzopertha dominica* 1669

in stored wheat 5708

Schistocerca americana 1253

Tetrachlorvinphos *contd.*against *contd.*

- Schoenobius dodatellus*, on rice 1951
Scirpophaga incertulas, on rice 1951
Scolytus scolytus, on *Ulmus* 4423
Sesamia inferens, on rice 1951
Sitophilus oryzae 1025
 in stored maize 446, 705
 in stored wheat 5708
S. zeamais 1672
Spodoptera frugiperda, on maize 5498
Stigmella malella, on apple 5559
Sylepta derogata, on cotton 4980
 thrips, on tea 4991
Thrips imaginis, on apple 4312
Tribolium castaneum 1025
 in stored wheat 5708
T. confusum, in stored wheat 5708
Zeiraphera diniana, on *Picea abies* 1525
 in apple, residues of 6110
 in apple orchards, non-target effects of 5559
 in bees, repellent effects of 4312
 in *Coccinella septempunctata*, toxicity of 3955
 in *Conocephalus maculatus*, toxicity of 1657
 in *Episyrphus balteatus*, toxicity of 3955
 in *Lagenaria vulgaris*, toxicity of 1446
 in *Lycosa pseudoannulata*, toxicity of 1657
 in *Megachile pacifica*, toxicity of 1662
 in *Metasyrphus corollae*, toxicity of 3955
 in *Metasyrphus luniger*, toxicity of 3955
 in *Momordica charantia*, toxicity of 1446
 in *Sitophilus oryzae*, effects of diet on susceptibility to 1025
 in soil, residues of 2140
 in stored wheat, residues of 5708
 in *Tribolium castaneum*, effects of diet on susceptibility to 1025
 in water, residues of 2140
 with *Bacillus thuringiensis* against
 Choristoneura fumiferana 3292
 Cydia funebrana, on plum 5550
 C. pomonella 2864
 on apple 3624, 5550
 Hemerocampa leucostigma 3292
 compatibility of 3293
 with *Beauveria bassiana*, against, *Cydia pomonella*, on apple 3625
 with γ -BHC, against, *Rhyzopertha dominica* 1669
 with carbaryl, against, *Rhyzopertha dominica* 1669
 with DDT, against, *Heliothis armigera*, on cotton 2558

Tetrachlorvinphos *contd.*

with pirimicarb

against

Brevicoryne brassicae, on cabbage 4921

Lepidoptera, on cabbage 4921

with trichlorphon, against, *Rhyzopertha dominica* 1669

tetracolum, Bembidion

2,6,10,14,18,22-Tetracosahexaene,

2,6,10,15,19,23-hexamethyl-, in *Hylobius pales* diet, requirement for 923

Tetracycline, diet component for, *Aegeria pictipes* 1845

3,5-Tetradecadienoic acid, (*Z,E*)-, attractant for, *Attagenus megatoma* 6574

9,11-Tetradecadien-1-olacetate, (*E,Z*)-

attractant for

Spodoptera littoralis 3256

S. litura 1778

mating disrupter for, *Spodoptera litura* 5872

synthesis of 5871

with (*E,Z*)-9,12-tetradecadienyl acetate attractant for

Spodoptera littoralis 4370

S. litura 1747

Spodoptera littoralis sex pheromone 62-63

S. litura sex pheromone 62-63, 1778

9,12-Tetradecadien-1-ol(*E,Z*)-

Ephestia cautella sex-pheromone component 6488

in *Plodia interpunctella*, release rate of 1141

inhibitor of *Ephestia cautella* response to sex pheromone 6487

acetate, (*E,Z*)-

attractant for

Ephestia cautella 6487

Spodoptera litura 1778

Ephestia cautella sex-pheromone component 6488

in *Ephestia cautella*, effects on mating of 2500-2501

in *Plodia interpunctella*

effects on mating of 2500

release rate of 1141

mating disrupter for

Ephestia cautella 7681

Plodia interpunctella 6297

Spodoptera litura 5872

Plodia interpunctella sex pheromone, tested for mating disruption 4643

Spodoptera exempta sex pheromone 2407

with (*E,Z*)-9,11-tetradecadienyl acetate attractant for

Spodoptera littoralis 4370

S. litura 1747

9,12-Tetradecadien-1-ol *contd.*acetate, (*E,Z*)- *contd.*with (*E,Z*)-9,11-tetradecadienyl acetate *contd.**Spodoptera littoralis* sex pheromone 62-63*S. litura* sex pheromone 62-63, 1778
with (*Z*)-9-tetradecenyl acetatein *Ephestia cautella*, effects on mating
of 2500-2501in *Plodia interpunctella*, effects on
mating of 2500**1-Tetradecanamine**

against

Culex pipiens 3961*Spodoptera littoralis* 3961*Tetranychus cinnabarinus* 3961**Tetradecanoic acid**attractant for, *Dermestes maculatus* 3266
in *Anastrepha suspensa*, effects of age on
5310in *Aphis euonymi* 69in *Aphis fabae* 69in *Carya glabra*, seasonal changes in
5307in *Dermestes maculatus* 585in *Ephialtes roborator* 6478in *Myzus persicae* 69in *Quercus falcata*, seasonal changes in
5307repellent for, *Trogoderma granarium*
32661-methylethyl ester, in *Iridomyrmex*
humilis 68**11-Tetradecenal**(*E*)-attractant for, *Choristoneura fumiferana*
3742inhibitor of *Argyrotaenia citrana*
response to sex pheromone 4639(*Z*)-, with (*Z*)-11-tetradecenyl acetate,
Argyrotaenia citrana sex pheromone
4639**9-Tetradecenal, (*Z*)-, with (*Z*)-11-**hexadecenal, *Heliethis virescens* sex
pheromone 4047**9-Tetradecenoic acid**in *Aphis fabae* 69in *Aphis euonymi* 69**10-Tetradecen-1-ol, acetate, (*Z*)-, synthesis of**
4641**11-Tetradecen-1-ol**(*E*)-synergist for, *Platynota stultana* sex
pheromone 4637with (*Z*)-11-tetradecen-1-ol, synergist
for, 11-tetradecenyl acetate 3490(*Z*)-synergist for, *Platynota stultana* sex
pheromone 4637with (*E*)-11-tetradecen-1-ol, synergist
for, 11-tetradecenyl acetate 3490**11-Tetradecen-1-ol** *contd.*acetate, (*E*)-*Argyrotaenia velutinana* sex-pheromone
component 4636

attractant for

Ostrinia nubilalis 1837

Tortricidae 1779

inhibitor of *Choristoneura fumiferana*
response to sex pheromone 3742

mating disrupter for

Argyrotaenia velutinana 3461*Ostrinia nubilalis* 3461not affecting response of *Spodoptera*
litura to Litlure 1747with dodecyl acetate, and (*Z*)-11-
tetradecenyl acetate, attractant for,
Argyrotaenia velutinana 4636with (*Z*)-11-tetradecenyl acetate
attractant for*Archips podanus* 4627*Ostrinia nubilalis* 2412*Platynota stultana* 3490inhibitor of *Argyrotaenia velutinana*
response to sex pheromone 3460*Ostrinia nubilalis* sex pheromone
1145-1146, 5758*Platynota stultana* sex pheromone
4637synergists for, 11-tetradecen-1-ol as
3490acetate, (*Z*)-with (*E*)-11-tetradecenyl acetate,
Ostrinia nubilalis sex pheromone
5758

attractant for

Ostrinia nubilalis 1837, 2411, 5499
Tortricidae 1779not affecting response of *Spodoptera*
litura to Litlure 1747with dodecyl acetate, and (*E*)-11-
tetradecenyl acetate, attractant for,
Argyrotaenia velutinana 4636with (*Z*)-11-tetradecenal, *Argyrotaenia*
citrana sex pheromone 4639with (*Z*)-9-tetradecenyl acetate
Adoxophyes orana sex pheromone,
inhibitors of response to 1069attractant for
Adoxophyes orana 3260, 3631,
4627*Clepsis spectrana* 4627

Tortricidae 1139

with (*E*)-11-tetradecenyl acetate
attractant for*Archips podanus* 4627*Ostrinia nubilalis* 2412*Platynota stultana* 3490inhibitor of *Argyrotaenia velutinana*
response to sex pheromone 3460

11-Tetradecen-1-ol *contd.*acetate, (*Z*)- *contd.*with (*E*)-11-tetradecenyl acetate *contd.**Ostrinia nubilalis* sex pheromone
1145-1146*Platynota stultana* sex pheromone
4637synergists for, 11-tetradecen-1-ol as
3490**9-Tetradecen-1-ol**acetate, (*E*)-

attractant for, Tortricidae 1779

not affecting response of *Spodoptera*
litura to Litlure 1747acetate, (*Z*)-

attractant for, Tortricidae 1779

Ephestia cautella sex-pheromone
component 6487-6488not affecting response of *Spodoptera*
litura to Litlure 1747*Spodoptera exempta* sex pheromone
2407with (*E,Z*)-9,12-tetradecadienyl acetate
in *Ephestia cautella*, effects on mating
of 2500-2501in *Plodia interpunctella*, effects on
mating of 2500with (*Z*)-11-tetradecenyl acetate*Adoxophyes orana* sex pheromone,
inhibitors of response to 1069

attractant for

Adoxophyes orana 3260, 3631,
4627*Clepsis spectrana* 4627

Tortricidae 1139

formate, (*Z*)-inhibitor of *Heliothis virescens* response
to sex pheromone 2415inhibitor of *Heliothis zea* response to
sex pheromone 2415**11-Tetradecyn-1-ol**

acetate

inhibitor of *Adoxophyes orana* response
to sex pheromone 1069

mating disrupter for

Argyrotaenia velutinana 3461*Ostrinia nubilalis* 3461**9-Tetradecyn-1-ol**, acetate, inhibitor of*Adoxophyes orana* response to sex
pheromone 1069**Tetradifon** (1-chloro-4-[(2,4,5-
trichlorophenyl)sulfonyl]benzene)

against

Acarapis woodi 2702

aphids, on tobacco 7399

Eutetranychus orientalis, on eggplant
3693*Floracarus cyphomandrae*, on
Cyphomandra betacea 4323*Tetranychus cucurbitacearum*

on eggplant 3693

on *Phaseolus* 3662**Tetradifon** *contd.*against *contd.**Tetranychus* *contd.**T. neocaledonicus*

on eggplant 4920

on okra 4920

T. truncatus, on *Phaseolus vulgaris*
6417*T. urticae*on *Capsicum* 985, 1027

on cucumber 973

on hop 1337

on tomato 973

on violet 908

Thrips tabaci, on tobacco 7399in apple orchards, effects on mites of
2011in *Phytoseiulus persimilis*, not toxic 7673

resistance to, in

Tetranychus urticae 5189

in Netherlands 505, 4075, 4546

with carbaryl, against, *Heliothis armigera*,
on cotton 7518

with fentin hydroxide

against

Agrotis ipsilon, on *Ricinus communis*
3348*Spodoptera littoralis*, on cotton 1485antifeedant for, *Spodoptera littoralis*, on
cotton 4975**Tetradonematidae**, in, insects 957**Tetragnatha extensa**, in Finland 2767**Tetragnatha shikokiana**

in Japan 1355

in rice-fields, in Tokushima Prefecture
1355

seasonal abundance of 1355

Tetragnathidae, in *Trifolium* fields, in Egypt
5412**Tetragonia expansa**, turnip mosaic virus in,
aphid transmission of 5725**Tetram** (see Amiton oxalate)**Tetramesa hordei**

in Canada 4258

on barley

in Prince Edward Island 4258

resistance to 4258

Tetramethrin ((1,3,4,5,6,7-hexahydro-1,3-
dioxo-2*H*-isoindol-2-yl)methyl 2,2-
dimethyl-3-(2-methyl-1-

propenyl)cyclopropanecarboxylate)

against, pests of stored products 5798

photodecomposition of 534

with chlordimeform, against, *Heliothis*
virescens 6399**Tetramorium caespitum**

prey antigens in, detection of 5385

preying on, *Neodiprion sertifer* 5385**Tetranactin**, against, *Tetranychus urticae*
4185**Tetranerea nigriabdominalis**

dispersal of, role of ants in 286

***Tetraneura nigriabdominalis* contd.**

- food-plants of 286
- in India 286
- on *Eleusine coracana*
 - damage caused by 286
 - in Karnataka 286
- on *Eragrostis trenela*, in Karnataka 286
- on sorghum, in Karnataka 286

Tetraneura nigriabdominalis bispina

- in São Tomé 4208
- on *Pennisetum*, in São Tomé 4208

Tetraneura radiculicola

- in India 6695
- on grasses, in Assam 6695
- on *Imperata arundinacea*, in West Bengal 6695
- on rice
 - damage caused by 6695
 - in Karnataka 6695

Tetranychidae

- acaricide resistance in 505
- biology of 2326
- control of 4185
 - acaricides for 1049, 2659, 2664, 4746, 5562, 6182, 6619, 7396
 - biological 6906
 - genetic 986
 - integrated 7544
- in Brazil 6451
- in Japan 5371
- in Paraguay 6451
- in South-East Asia 5371
- in Thailand 3174
- keys to 6815
- on apple
 - effects of pesticides on 2011
 - in Missouri 4803, 5562
 - in Poland 2011
- on black currant 5995
- on conifers 6815
- on cotton
 - in Rhodesia 1049
 - in USSR 6792
 - in Uzbekistan 6182–6183
- on cucumber
 - in Moldavia 5745
 - in Netherlands 6903
 - in Poland 6918
- on cucurbits, in USSR 6619
- on fruit trees
 - in Japan 3838
 - in USSR 6102
- on glasshouse crops, in France 977
- on *Phaseolus vulgaris*, in Austria 7351
- on pulse crops 6771
- on safflower, in Iran 4746
- on soy bean 5995
 - in Iran 4746
 - resistance to, genetics of 2940
- on sugar-beet, in Iran 4746
- on tea 6801
- on vegetable crops, in Japan 3838

Tetranychidae contd.

- parasites of, in Rhodesia 1049
- predators of
 - in Missouri 4803
 - in Rhodesia 1049
- preyed on by
 - Agistemus fleschneri*, in Missouri 5562
 - Amblyseius fallacis*, in Missouri 5562
 - Anystis* spp., and biological control using, in USSR 5472
 - A. baccarum* 6418
 - and biological control using 5995
 - in USSR 5995
 - Chrysopa carnea*, and biological control using, in Russian Republic 6354
 - Coccinellidae, in Moldavia 7204
 - Phytoseiulus* spp.
 - and biological control using in Moldavia 5745
 - in USSR 6619
 - P. persimilis*
 - and biological control using in France 977, 3170
 - in Netherlands 6903
 - in Poland 6918
 - Stethorus* spp., in Uzbekistan 7185
 - S. histrio*, in Réunion 4137
 - Sticholotis gomyi*, in Réunion 4137
 - Syrphidae, in Kenya 1897

Tetranychoidae, in Hungary 4002***Tetranychus***

- acaricide resistance in, testing for 1203
- control of 4981
 - acaricides for 2085, 3957, 4361
- in Thailand 3174
- on cotton
 - in Argentina 4361
 - in Swaziland 4981
- preyed on by, *Amblyseius bibens*, in Malagasy Republic 4790
- taxonomy of 1093

Tetranychus althaeae* (see *T. urticae*)**Tetranychus arabicus***

- chlordimeform susceptibility in, relation of acaricide resistance and 3001
- control of, acaricides for 891, 2891
- dicofol resistance in, in Egypt 3001
- in Egypt 891, 2720, 3001
- methyl-parathion resistance in, in Egypt 3001
- on cotton
 - effects of water shortage on 1815
 - in Egypt 891, 3001
- on fig, in Egypt 2720, 2891
- preyed on by
 - Phytoseius plumifer* 2720
 - and biological control using 2891
- taxonomy of, synonym of *T. urticae* 4606

Tetranychus atlanticus* (see *T. turkestanii*)**Tetranychus cinnabarinus***

- amino acids in 4044

***Tetranychus cinnabarinus* contd.**

- biology of 160
- control of
 - acaricides for 160, 3274, 3665, 3961, 5484, 5639, 5947, 5950
 - integrated 5950
- egg-hatch in, effects of silk on 4019
- faecal pellet production in 3487
- in China 1851
- in Egypt 3274, 3665, 3690, 4606, 5639
- in Lebanon 4606
- in Morocco 3983, 4606
- in Netherlands 4606
- in Rhodesia 5947
- in South Africa 160, 5949–5950
- in Tunisia 4606
- in Turkey 6602
- in USA 5484
- mating competitiveness in, for *T. urticae* females 2457
- on apple, in South Africa 5949
- on cotton
 - effects of planting date on 5639
 - in Egypt 3274, 5639
 - in Rhodesia 5947
- on eggplant, in Egypt 3690
- on pear, in South Africa 5950
- on *Phaseolus vulgaris* 3487
- on potato, in Egypt 3690
- on sorghum, in Texas 5484
- on *Vigna unguiculata*, in Egypt 3665
- oviposition in 3983
- population dynamics of 5639
- predators of, effects of pesticides on 160
- preyed on by
 - Amblyseius gossipi*, in Egypt 5639
 - A. herbarius* 5928
 - A. rubicolus*, in South Africa 5949–5950
 - Cybocephalus micans* 2721
 - Labidura riparia*, in South Africa 160
 - Pardosa crassipalpis*, in South Africa 160
 - Phytoseiulus persimilis* 584
 - Phytoseius plumifer* 208, 211
 - Tydeus grabouwii*, in South Africa 5949
 - Typhlodromus rhenanus* 5928
- seasonal abundance of 3690
- silk of 4044
- taxonomy of
 - characters for, colour as 3983
 - Tetranychus cucurbitacearum* as synonym of 4606

Tetranychus cucurbitacearum

- control of, acaricides for 891, 1445, 3662, 3693, 4355
- dicolof resistance in, in Egypt 3001
- in Egypt 891, 1445, 3001, 3662, 3693, 4355
- methyl-parathion resistance in, in Egypt 3001

***Tetranychus cucurbitacearum* contd.**

- on cotton, in Egypt 891, 3001
 - on cucurbits, in Egypt 1445
 - on eggplant, in Egypt 3693
 - on *Phaseolus*, in Egypt 3662
 - on sesame, in Egypt 4355
 - on sunflower, in Egypt 4355
 - preyed on by
 - Amblyseius* spp., in Egypt 3662
 - mites, in Egypt 3693
 - Paracheyletia wellsii*, in Egypt 3662
 - Tydeus californicus*, in Egypt 3662
 - taxonomy of, synonym of *T. cinnabarinus* 4606
- Tetranychus cucurbitae* (see *T. neocaledonicus*)**
- Tetranychus desertorum***
- in China 1851
 - on *Cineraria cruenta*, in China 1851
- Tetranychus kanzawai***
- in Japan 3840
 - on soy bean, in Japan 3840
 - preyed on by, *Phytoseiulus persimilis*, and biological control using, in Japan 3840
- Tetranychus lombardini***
- biology of 160
 - control of, acaricides for 160, 5947
 - in Rhodesia 5947
 - in South Africa 160
 - on cotton, in Rhodesia 5947
 - predators of, effects of pesticides on 160
 - preyed on by
 - Labidura riparia*, in South Africa 160
 - Pardosa crassipalpis*, in South Africa 160
- Tetranychus ludeni***
- biology of 160
 - control of, acaricides for 160, 5947
 - dolichos enation mosaic virus in, in Andhra Pradesh 3805
 - in China 1851
 - in India 3805
 - in Rhodesia 5947
 - in South Africa 160
 - in Taiwan 1403
 - on *Artemisia stelleriana*, in China 1851
 - on cotton, in Rhodesia 5947
 - on *Cyamopsis tetragonoloba*, in Andhra Pradesh 3805
 - on *Datura stramonium*, in China 1851
 - on *Dolichos lablab*, in Andhra Pradesh 3805
 - on grapevine, in Taiwan 1403
 - on *Pelargonium hortorum*, in China 1851
 - predators of, effects of pesticides on 160
 - preyed on by
 - Labidura riparia*, in South Africa 160
 - Pardosa crassipalpis*, in South Africa 160

Tetranychus mcdanieli

- control of
 - biological 6730
 - integrated 4910
 - γ -irradiation for 5953
- dispersal of 2554
- in USA 4910, 6730
- on apple 2554
 - in USA 6730
- on plum, in Washington 4910
- population dynamics of 3469
- population growth of 2554
- preyed on by
 - Amblyseius fallacis*, in USA 6730
 - Metaseiulus occidentalis* in USA 6730
 - in Washington 4910
 - Zetzellia mali*, in Washington 4910

Tetranychus neocaledonicus

- control of, acaricides for 2975, 4920
- development in 734
- in India 4920, 5387
- in Malagasy Republic 2712
- on *Dolichos biflorus* 734
- on eggplant 734
 - assessing infestations of 6789
 - in Haryana 2975
 - in Karnataka 4920
- on muskmelon 734
- on okra 734
 - in Karnataka 4920
- on *Phaseolus aureus*
 - assessing infestations of 5387
 - in Punjab 5387
- preyed on by
 - Amblyseius masiaka* 2713
 - in Malagasy Republic 2712
 - A. vazimba* 2713
 - in Malagasy Republic 2712
 - Stethorus madecassus* 203

Tetranychus pacificus

- control of, acaricides for 5576
- in USA 845, 1402
- on grapevine
 - damage caused by 845
 - effects of irrigation on 845
 - in California 845, 1402
- preyed on by
 - Metaseiulus occidentalis* and biological control using, in California 845
 - in California 1402
 - Phytoseiulus persimilis* 1917

Tetranychus ricinus

- in Morocco 3983, 4606
- oviposition in 3983
- taxonomy of 4606
 - characters for, colour as 3983

Tetranychus shanghaiensis

- sp. n., description of 1851
- in China 1851
- on peach, in China 1851

***Tetranychus shanghaiensis* contd.**

- on *Rosa chinensis*, in China 1851
- on *Zantedeschia aethiopica*, in China 1851

Tetranychus tchadi

- sp. n., description of 1093
- in Chad 1093
- on *Dolichos lablab*, in Chad 1093

Tetranychus telarius* (see *T. urticae*)**Tetranychus telarius* auct. (see *T. cinnabarinus*)*****Tetranychus truncatus***

- biology of 2909
- control of, acaricides for 6417
- descriptions of 2909
- in Taiwan 2909
- on *Phaseolus vulgaris* 6417
- on vegetable crops, in Taiwan 2909
- predators of, in Taiwan 2909
- preyed on by
 - Amblyseius longispinosus*, and biological control using 6417
 - Stethorus loi* 6417

Tetranychus turkestanii

- control of, acaricides for 3707, 4358, 7666
- food-plants of 1927, 6102
- in Bulgaria 1638, 2252, 3655
- in Egypt 3707, 4358
- in France 7546, 7548
- in Morocco 3983, 4606
- in Poland 4748
- in Turkey 6602
- in USA 1927
- in USSR 6102
- on cotton, in Egypt 3707, 4358
- on Cruciferae, in Poland 4748
- on cucumber
 - distribution pattern of 1174
 - in Bulgaria 1638, 3655
- on *Ficus*, in Bulgaria 2252
- on peach, in France 7548
- on pear, in France 7546
- on pomegranate, in Bulgaria 2252
- on soy bean
 - in Bulgaria 2252
 - in Delaware 1927
- oviposition in 3983
- preyed on by

- Phytoseiulus persimilis* 1174, 1220
 - and biological control using 7666
 - in Bulgaria 1638, 2252, 3655

taxonomy of 4606

- characters for, colour as 3983
- zineb in, not toxic 7666

Tetranychus urticae

- acaricide resistance in 5189
- ageing and histological degeneration in 1165
- amiton analogues in, toxicity of 5889
- apholate in, effects of 78
- attractants for 6486

***Tetranychus urticae* contd.**

- biology of 6602
- chromosome mutations in 3247
- chromosomes in, differential staining of 7095
- control of
 - acaricides for 514, 522, 859, 908, 973, 980, 985, 1008–1009, 1023, 1027, 1337, 1472, 1501, 1630, 1663, 1670, 2085, 2278, 2664, 2885, 3205, 3939, 3957, 4228, 4546, 4820, 5185, 5189–5190, 5484, 5567, 5748, 5793, 5805, 5811, 6109, 6602, 6651, 6962–6963, 7652
 - antibiotics for 4185
 - Bacillus thuringiensis* for 5744, 7659
 - economic threshold for 4935
 - fungicides active in 1609
 - genetic 1644, 2457, 4075, 5744, 6378
 - growth regulators for 5413
 - inorganic plant nutrients for 6935
 - integrated 7544
 - plant extracts for 4185
 - water treatment for 2524
- dicolof resistance in, in Netherlands 505, 4546
- diflubenzuron in, inactive 2284
- dimethoate resistance in 5185
- and cross-resistance 504
- Entomophthora* spp. in, in Mississippi 3010
- feeding behaviour in, effects of dietary vitamins on 1710
- 5-fluorouracil in, mode of action of 5319
- formetanate resistance in, in New Zealand 1644
- fungicides in, effects of 3313
- in Australia 2869, 4310, 5560–5561, 5567, 6109
- in Belgium 7520
- in Brazil 6796
- in Bulgaria 1638, 2252
- in Canada 6095
- in Chile 7544
- in China 1851
- in Czechoslovakia 5189
- in East Germany 3166, 4935, 5805
- in Egypt 3668, 4606, 5986, 6935
- in Finland 974, 3051
- in France 7548
- in Greece 4606
- in India 888, 2970
- in Iran 6547
- in Italy 1292, 6738
- in Japan 3840, 7523
- in Morocco 3983, 4606
- in Netherlands 505, 978, 3478, 4075, 4512, 4546, 6909
- in New Zealand 1644
- in Norway 973
- in Philippines 859
- in Poland 1501, 3205, 4748

***Tetranychus urticae* contd.**

- in Rhodesia 5947
- in Romania 976, 1027
- in Solomon Islands 1472
- in Sweden 975
- in Turkey 6602
- in UK 908, 3938–3939, 3967
- in USA 522, 1336–1337, 1391, 2885, 3010, 4820, 5484
- in USSR 6651
- in West Germany 1609, 1630, 4606
- life tables for 6524, 7572
- mating competitiveness in 2457
- mating in 6486
- migration in 1630
- on *Alnus incana*, in Finland 3051
- on apple
 - effects of insecticides on 2869
 - effects on photosynthesis of 2878
 - in Australia 2869, 6109
 - in East Germany 3166
 - in New South Wales 4310, 5560–5561, 5567
- on bean 2278
- on *Betula verrucosa*, in Finland 3051
- on blackberry, in Hokkaido Prefecture 7523
- on *Calla*, in Romania 1027
- on *Capsicum*
 - in Netherlands 978, 4512
 - in Romania 1027
- on cassava
 - in Kerala 2970
 - resistance to 2970
- on chrysanthemum, in England 3938–3939
- on *Colocasia esculenta*, in Solomon Islands 1472
- on cotton
 - damage caused by 396, 6796
 - in Brazil 6796
 - in Mississippi 3010
 - resistance to 396
- on Cruciferae, in Poland 4748
- on cucumber
 - damage caused by 4935
 - distribution pattern of 1174
 - in Bulgaria 1638
 - in East Germany 4935, 5805
 - in Finland 974
 - in Hokkaido Prefecture 7523
 - in Japan 3840
 - in Netherlands 4512, 6909
 - in Norway 973
 - in Romania 1027
 - in Sweden 975
- on *Cucumis*, resistance to 2921
- on eggplant; in Netherlands 978
- on *Ficus*, in Bulgaria 2252
- on fruit trees, in Iran 6547
- on *Gerbera jamesonii*, in Poland 1501
- on grapevine, in British Columbia 6095

Tetranychus urticae contd.

- on groundnut
 - effects of irrigation on 5986
 - in Egypt 5986
- on hop
 - forecasting infestations of 1630
 - in UK 3967
 - in Washington 1336-1337, 4820
 - in West Germany 1630
 - relation of farnesol content and susceptibility to 3573
- on maize, in Texas 5484
- on melon 3656
- on peach
 - in France 7548
 - in Italy 1292, 6738
- on pear, in California 2885
- on *Phaseolus*
 - effects of fungicides on 983
 - in Egypt 6935
 - in West Germany 1609
- on *Phaseolus aureus*, in Philippines 859
- on *Phaseolus vulgaris*
 - effects of plant nutrition on 7572
 - rearing of 5465
- on pomegranate, in Bulgaria 2252
- on *Populus tremula*, in Finland 3051
- on rose
 - in England 3939
 - in Netherlands 505, 4075, 4546
 - in USSR 6651
- on sesame, in Tamil Nadu 888
- on sorghum, in Texas 5484
- on soy bean
 - in Bulgaria 2252
 - in Egypt 3668
 - in Hokkaido Prefecture 7523
 - in Japan 3840
 - resistance to 3669
 - varietal preference of 3668
- on strawberry
 - in California 522
 - in New South Wales 3616
 - in Washington 1391
 - resistance to 1391
- on *Tilia cordata*, in Finland 3051
- on tomato
 - in Netherlands 978, 4512
 - in Norway 973
 - resistance to 3866
- on *Trifolium repens* 3840
- on *Vicia faba*, rearing of 5465
- on *Vigna unguiculata*
 - effects of irrigation on 5986
 - in Egypt 5986
- on violet, in England 908
- on watermelon
 - effects of irrigation on 5986
 - in Egypt 5986
- overwintering in 3166
- oviposition in 3983
 - effects of chemicals on 1004

Tetranychus urticae contd.

- oxydemeton-methyl resistance in, in Poland 3205
- parathion resistance in
 - in Netherlands 4075, 4546
 - in New Zealand 1644
- pathogens of, and biological control using, in Scandinavia 5744
- population density of 1630
- population dynamics of 1336, 3478, 5793
 - effects of temperature on 4705
- predators of
 - effects of acaricides on 980, 4228
 - effects of insecticides on 1292
 - in Turkey 6602
- preyed on by
 - Amblyseius bibens* 4790
 - A. chilenensis* 1301
 - A. fallacis* 3557, 4228
 - in Mississippi 3010
 - A. gossipi* 4799
 - A. largoensis* 2714
 - A. longispinosus* 2714
 - A. paraki* 2714
 - A. womersleyi*, in New South Wales 3616
- Metaseiulus occidentalis* 1301
 - and biological control using, in Australia 6109
- Metasyrphus corollae* 4773
- Phytoseiidae, in New South Wales 5560-5561
- Phytoseiulus* spp. 6619
- P. persimilis* 980-981, 1174, 1301, 5465
 - and biological control using 5793
 - in Belgium 7520
 - in Bulgaria 1638, 2252
 - in England 908, 3938
 - in Finland 974
 - in Hokkaido Prefecture 7523
 - in Japan 3840
 - in Netherlands 978, 4512, 6909
 - in Norway 973
 - in Romania 976
 - in Scandinavia 5743
 - in Sweden 975
- Phytoseius fotheringhamiae*, in New South Wales 4310
- P. plumifer* 4799
- Scymnus interruptus* 179
- Stethorus* spp.
 - in Australia 2869
 - in New South Wales 4310, 5561, 5567
- S. punctillum*, in Italy 1292, 6738
- Typhlodromus italicus*, in Italy 1292, 6738
- T. longipilus*, in Mississippi 3010
- T. pomi*, in Mississippi 3010
- reproduction in, effects of interspecific mating on 2457

- Tetranychus urticae* contd.**
 reproductive incompatibility in 6378
 sex pheromone of 42
 sex ratio in 3010
 sterilisation of, chemosterilants for 78
 survival in, effects of chemicals on 1004
 taxonomy of
 characters for, colour as 3983
 Tetranychus arabicus as synonym of 4606
 tetradifon resistance in, in Netherlands 505, 4075, 4546
 thiometon resistance in, in Czechoslovakia 5189
 water in, effects of 2524
- Tetranychus urticae* × *T. cinnabarinus***
 control of *T. urticae* using 5744
 sterility in 2457
- Tetranychus urticae* × *T. turkestanii*,**
 progeny of 3983
- Tetranychus viennensis***
 biology of 6547
 control of, acaricides for 847, 6547
 descriptions of 6547
 food-plants of 6102
 in China 1851
 in Iran 6547
 in Romania 847
 in USSR 6102
 on apple, in Romania 847
 on fruit trees
 damage caused by 6547
 in Iran 6547
- Tetranychus viticis***
 sp. n., description of 1851
 in China 1851
 on *Vitex*, in China 1851
- Tetrarhaphis raoi***
 biology of 1282
 in India 1282
 preying on, *Pineus* spp., in Meghalaya 1282
- Tetrastichus***
 in India 1829
 parasitising
 Chrysopa spp., in South Africa 5951
 Hedylepta indicata, in Réunion 4801
 Phytobia incisa, in Bulgaria 279
 Prolasioptera berlesiana
 in Greece 6552
 in Syria 6552
 Saccharosydne saccharivora, in Jamaica 241
 Scirpophaga incertulas, in Malaya 4849
 Terellia serratululae, in Pakistan 1323
- Tetrastichus asparagi***
 development in 2726
 in USA 3647
 parasitising
 Crioceris asparagi 2726
 in Massachusetts 3647
- Tetrastichus asparagi* contd.**
 preying on
 Crioceris asparagi 2726
 in Massachusetts 3647
- Tetrastichus atriclavus***
 biology of 249
 in Réunion 249
 parasitising
 Chilo sacchariphagus, in Réunion 249
 Sesamia calamistis, in Réunion 249
- Tetrastichus brontispae***
 in New Caledonia 1389
 parasitising
 Brontispa spp. 1389
 Gestronella centrolineata, and biological control using, in Malagasy Republic 1389
- Tetrastichus ceroplastophilus***
 in Turkey 1427
 parasitising, *Coccus pseudomagnoliarum*, in Turkey 1427
- Tetrastichus evonymellae***
 in USSR 6818
 parasitising, *Yponomeuta rorellus*, in Ukraine 6818
- Tetrastichus giffardii***
 in Uganda 1496
 parasitising, *Ceratitis coffeae*, in Uganda 1496
- Tetrastichus haitiensis***, parasitising,
Diaprepes abbreviatus, and biological control using, in Florida 3549
- Tetrastichus incertus***
 biology of 5914
 in Canada 6079
 in Iran 5914
 parasitising
 Hypera postica 3552
 in Iran 5914
 in Quebec 6079
- Tetrastichus inunctus*** (see *Elachertus*)
- Tetrastichus invidus***, nomen nudum 6552
- Tetrastichus israeli***
 biology of 249
 development in, effects of host on 6640
 in India 249, 2798
 life-span in, effects of host on 6640
 parasitising
 Anadevidia peponis 6640
 Chilo infuscatellus 6640
 Cnaphalocrocis medinalis, in Kerala 2798
 Corcyra cephalonica 6640
 Galleria mellonella 249
 Nephantis serinopa, and biological control using, in India 6640
 Orthaga exvinacea 6640
 Palpita indica 6640
 Phycodes radiata 6640
 Spodoptera litura 6640
 sex ratio in, effects of host on 6640

Tetrastichus julis

emergence in, effects of temperature on 3385

in Poland 2774

in USA 6676

parasitising

Oulema melanopus 653, 2725, 3385

in Michigan 6676

in Poland 2774

taxonomy of, characters for 2725

Tetrastichus ledrae

in Italy 1384

parasitising, *Ledra aurita*, in Italy 1384

Tetrastichus malacosomae

in USA 4691

parasitising, *Malacosoma americanum*, in Arkansas 4691

Tetrastichus schoenobii

in China 2811

in India 5512

in Malaysia 4849

insecticides in, toxicity of 2811

parasitising

Scirpophaga incertulas

in Malaya 4849

in Orissa 5512

tetrastictus*, *Pharoscyrnus

Tetrasul (1-chloro-4-[(2,4,5-trichlorophenyl)thio]benzene) against

Bryobia rubrioculus 320

Panonychus ulmi 320

on grapevine 7292

pests of apple 1417

Tetranychus urticae

on *Calla* 985, 1027

on *Capsicum* 985, 1027

Tetratomidae, in Japan 7021

Tetropium, in West Germany 5684

Tetropium parvulum

control of, fumigants for 6320

in Canada 6320

in *Picea glauca* timber, in Alberta 6320

Tettigella spectra

in Malaysia 3973

in Sierra Leone 833

on rice, in Sierra Leone 833

traps for 3973

Tettigella viridis

biology of 1384

in Italy 1384

in Japan 2718

on hazel, in Italy 1384

parasitised by

Anagrus incarnatus, in Italy 1384

Gonatocerus cicadellae, in Italy 1384

preyed on by, *Achaearanea tepidarium*, in Nagasaki Prefecture 2718

Tettigoniella spectra* (see *Tettigella*)*Tettigoniidae**

on cacao, in Ghana 2104

rearing of, techniques for 5416

Tettigonioidae, in Turkmenia 735

Tetyra bipunctata

in USA 5679

on *Pinus elliottii*

distribution pattern of 5679

in Florida 5679

texana, *Anomis*

texana, *Atta*

texana, *Contarinia*

texanus, *Chelonus*

texanus, *Dectes*

Texas

Alabama argillacea in 4728

Ammophila centralis in 6024

Anthonomus grandis in 4102

on cotton 2996, 4372-4373, 5638, 6373, 7394

Bothynus gibbosus in 153

on sunflower 4357

Ceratitis capitata in, on *Citrus* 4143

cotton in, pest control on 2298, 7395

Curculio caryae in 4131

on pecan 7300

Dactylopius opuntiae in, on *Opuntia* 555

D. tomentosus in, on cacti 555

Dendroctonus frontalis in 5033

on *Pinus* 2162, 3042, 5024, 5026, 5028, 5668, 7418

Diatraea grandiosella in 6425

Elasmopalpus lignosellus in 1460

on groundnut 4342, 4344

Euxoa ochrogaster in, on asparagus 346

extension forest entomology in 5031

Gnathamitermes tubiformans in, in grassland 3562

Gratiana lutescens in 4242

Gypsonoma haimbachiana in, on *Populus* 5013

Heliothis spp. in, on cotton 7521

H. virescens in 2497, 4728

on cotton 2990, 2996, 3698, 3709, 4373-4374, 4548, 6794

H. zea in 4728

on cotton 2990, 2996, 3698, 3709, 4374, 4548

Homoeosoma electellum in, on sunflower 4357

Ips avulsus in, natural enemies of 6833

I. calligraphus in, natural enemies of 6833

I. grandicollis in, natural enemies of 6833

Lepidosaphes beckii in, on *Citrus* 4324

littoral fauna in, insecticide residues in 5199

Oligonychus pratensis in

on maize 5484

on sorghum 5484

O. stickneyi in, on maize 5484

Pangaeus bilineatus in, on groundnut 4344

Texas contd.

- Pectinophora gossypiella* in, on cotton 4373
- Phyllocoptruta oleivora* in natural enemies of 3139
on *Citrus* 3139
- Phyllophaga crinita* in on sorghum 6074
on wheat 6074
- Psallus seriatus* in, on cotton 4373, 6373, 7389
- Rhagoletis pomonella* in, on cherry 5345
- Rhopalosiphum maidis* in, natural enemies of 7276
- rice stem-borers in 1958
- Schizaphis graminum* in natural enemies of 7276
on sorghum 294, 1938, 2817
- Solenopsis invicta* in 4196, 4202, 5990
- S. xyloni* in 5910
- Teleonemia scrupulosa* in, on *Lantana camara* 6657
- Tetranychus cinnabarinus* in, on sorghum 5484
- T. urticae* in on maize 5484
on sorghum 5484
- thrips in, on cotton 4374
- Tribolium castaneum* in, in stored rice 1673
- Trichoplusia ni* in 110
- Textiles**
insect pests of, in West Germany 5698
pest control in 4425
- Textiles, canvas**, in insect-resistant packaging materials 454
- Textiles, silk**, *Attagenus megatoma* in, in Spain 3081
- Textiles, wool**
Anthrenus flavipes in 3084
effects of nutrients on 4053
feeding by 6277
- Attagenus megatoma* in 3083, 5702
feeding by 6277
in Spain 3081
- insect pests of, changes in status of 6237
- permethrin in, persistence of 7461
- pest control in
carbamates for 3084
insecticides for 6254
pyrethrins for 5702
- proofing agents for, determining concentrations for use of 5701
- Tinea pellionella* in 5701
- Tineola bisselliella* in 3084, 5702
- Textiles, wool and synthetic fibre**, *Attagenus megatoma* in, damage caused by 4429
- TH-6040** (see Diflubenzuron)
- Thailand**
Apis cerana in, natural enemies of 2729
- A. mellifera* in, natural enemies of 2729
- biological control in 3177

Thailand contd.

- Brevipalpus phoenicis* complex in 2344
- Chelura insulae* in 5841
- Chilo polychrysus* in, natural enemies of 3595
- cotton in, pests of 3179
- crops in, arthropods associated with 3172
- Heliothis armigera* in natural enemies of 3176
on cotton 3176, 3178
- Limnoria platycauda* in 5841
- L. sexcarinata* in 5841
- man in, organochlorine residues in 3320
- Nilaparvata lugens* in, natural enemies of 2347
- Orseolia oryzae* in natural enemies of 3596
on rice 3596
- Platypodidae in 7029
on *Pinus* 3482
- rice in, pest control on 6063
- Scolytidae in 7029
on *Pinus* 3482
- Singaporea diversa* in, on *Pterocarpus macrocarpus* 2348
- Sogatella furcifera* in, natural enemies of 2347
- Tetranychidae in 3174, 5371
- Tingidae in 1200
- Tuckerella knorri* in 1097
- thalassinus*, *Aiolopus*
- thalenhorsti*, *Pristiphora*
- Thallium, in *Haliaeetus leucocephalus*, residues of 6410
- Thamnotettix*, in South Africa 13
- Thanasimus**
preying on
Tomicus minor, in Poland 5006
T. piniperda, in Poland 5006
- Thanasimus formicarius**
in USSR 6627, 6841
preying on
bark beetles
in Russian Republic 6841
in USSR 6627
- Thanasimus undatulus**
 γ -BHC in, toxicity of 3757, 6212
in Canada 3757, 6212
preying on, *Dendroctonus rufipennis*, in British Columbia 3757, 6212
- Thanite** (see Acetic acid, thiocyanato-, 1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, exo-)
- thapsiana*, *Epinotia*
- thapsianae*, *Sympiesis*
- Thaumatomyia glabra*
biology of 6018
in USSR 6018
insecticides in, toxicity of 6018
preying on, *Pemphigus fuscicornis*, in Ukraine 6018

Thaumatomyia rufa

- biology of 6018
- in USSR 6018
- insecticides in, toxicity of 6018
- preying on, *Pemphigus fuscicornis*, in Ukraine 6018

Thaumatomyia sulcifrons

- in USSR 5647
- preying on, *Smynthuroides betae*, in Turkmenia 5647

Thaumetopoea pityocampa

- insecticides in, effects on metabolism of 3287
- sex attraction in 7060
- sex pheromone of 65
- sexual behaviour in 65

Thaumetopoea processionea

- in USSR 2586
- natural enemies of, in Moldavia 2586
- social behaviour in 1810

Thea assamica* (see Tea)**Thea sinensis* (see Tea)*****Thea vigintiduopunctata***

- in Turkey 6602
- preying on, *Tetranychus urticae*, in Turkey 6602

theae, Acaphylla***theae, Fiorinia******theae, Tropicomyia*, (*Melanagromyza*)*****Thecodiplosis brachyntera***

- biology of 6829
- in Czechoslovakia 429, 6829
- on *Pinus*
 - damage caused by 6829
 - in Czechoslovakia 6829
- on *Pinus mugo*, in Czechoslovakia 429

Thecodiplosis japonensis

- dispersal of, influence of wind on 3465
- in South Korea 3488
- preyed on by, spiders, in South Korea 3488

theivora, Helopeltis***theivora, Indarbela******Thelaira macropus***

- in India 4786
- parasitising, *Mocis undata*, in Madhya Pradesh 4786

Thelastomatidae*, in, insects 957**Thelaxes suberis***

- honeydew of, sugars in 2428
- in Iraq 2428
- on *Quercus*, in Iraq 2428

Thelaxidae*, on *Betulus*, in Switzerland 3373**Thelohania***

- in
 - Ephestia kuehniella*, in Yugoslavia 4485, 6307
 - Lepidoptera, in Yugoslavia 6885
 - Sitotroga cerealella*, in Yugoslavia 4485, 6307

Thelohania* contd.*in contd.*****Solenopsis* spp.**

- in Argentina 3133
- in Uruguay 3133
- S. invicta*, in Brazil 3531

Thelohania diazoma*, hydrophobic spore proteins in 948**Thelohania legeri*, hydrophobic spore proteins in 948*****Thelohania pristiphorae*****in**

- Diprionidae, infectivity of 910
- Malacosoma americanum*, development of 4481
- M. disstria*, development of 4481
- Tenthredinidae, infectivity of 910

Themeda australis*, ants associated with, in Papua New Guinea 1270**Themeda triandra* 2829*****Theobroma cacao* (see Cacao)*****theobroma, Distantiella******theobromae, Amblypelta******theobromae, Floracarus******theobromae, Helopeltis theivora******theobromae, Leucothrips******theospyri, Eriophyes******Thera obeliscata*, taxonomy of, characters distinguishing *T. variata* and 6812*****Thera variata albonigrata***

- in Denmark 6812
- in Sweden 6812
- on *Abies alba*, in Denmark 6812
- taxonomy of
 - characters distinguishing *T. obeliscata* and 6812
 - characters distinguishing *T. v. variata* and 6812

Thera variata variata

- taxonomy of
 - characters distinguishing *T. obeliscata* and 6812
 - characters distinguishing *T. v. albonigrata* and 6812

Theraptus*, preyed on by, *Pheidole* spp. 4793**Theresimima ampelophaga***

- biology of 2000
- control of, insecticides for 2000
- descriptions of 2000
- in Bulgaria 2000
- on grapevine, in Bulgaria 2000

Thereviniae

- in Ethiopian region 7006
- taxonomy of 7006

Theridion

- preying on
 - Dalaca rufescens*, in South Africa 2829

Nephotettix virescens*, in Taiwan 4276**Theridion goodnightorum***

- in USA 5667

- Theridion goodnightorum* contd.**
 preying on, *Ips pini*, in Arizona 5667
- Theridion tepidariorum*** (see *Achaeareanae*)
- Therioaphis maculata*** (see *T. trifolii*)
- Therioaphis ononidis***
 in India 1298
 on groundnut, in Mysore 1298
 preyed on by, *Coccinella repanda*, in Mysore 1298
- Therioaphis riehmii***
 on *Melilotus*, resistance to 2835
 on *Trigonella*, resistance to 2835
- Therioaphis trifolii***
 alarm pheromone in 600
 control of, growth regulators for 7613
 in India 3558, 6595
 in Poland 2838
 in USA 5528
 juvenoid resistance in, not found 2444
 on lucerne
 in California 5528
 in Poland 2838
 in Rajasthan 3558, 6595
 probing by 1985
 resistance to 2835, 4885
 *predators of, in California 5528
 preyed on by, *Geocoris jucundus*, in Rajasthan 3558
- Therion circumflexum***
 biology of 1889
 descriptions of 1889
 parasitising
Mythimna unipuncta 1889
Spodoptera exigua 1889
- Thermobia domestica***
 haemocytic encapsulation in 1755
 nervous system in 2431
 ovaries in, effects of *Acorus calamus* rhizome oil on 1678
 reproductive organs in, effects of JH mimics on 3265
 water uptake in 1150
- Thermoregulation**, in butterflies, role of wings in 4042
- Theronia***, parasitising, *Calisto pulchella*, in Dominican Republic 7224
- Thespesia***, *Anthonomus grandis* on, in North America 1331
- Thespesia populnea***, *Dysdercus cingulatus* on, in Madhya Pradesh 2115
- Thiabendazole** (2-(4-thiazolyl)-1*H*-benzimidazole)
 in apple orchards, effects on mites of 2013
- 2*H*-1,3,5-Thiadiazine-2-thione**, tetrahydro-3,5-dimethyl- (see Dazomet)
- 1,3,4-Thiadiazol-2(3*H*)-one**, 3,3'-[dithiobis(methylene)]bis[5-methoxy-, methidathion photoproduct 1014
- 1,3,4-Thiadiazol-2(3*H*)-one**, 5-methoxy-, methidathion photoproduct 1014
- 1,3,4-Thiadiazol-2(3*H*)-one**, 5-methoxy-3-[(methylthio)methyl]-, methidathion photoproduct 1014
- Thiamine**
 diet component for, *Oryzaephilus mercator* 2418
 in *Sitophilus oryzae* diet, requirement for 1757
 hydrochloride, *Tetranychus urticae* feeding response to 1710
- 2,4-Thiazolidinedione**, 3,5,5-trimethyl-2-[*O*[(methylamino)carbonyl]oxime] against
Atomaria linearis, on sugar-beet 3945
Blaniulus guttulatus, on sugar-beet 3945
Brachydesmus superus, on sugar-beet 3945
- Thimet** (see Phorate)
- Thinodytes***
 in Sweden 3365
 keys to 3365
- Thioanisole**, *p*-chloro- (see Benzene, 4-chloro-1-(methylthio)-)
- Thiocarbamide** (see Thiourea)
- Thiocarboxime** (2-cyanoethyl *N*-[[[(methylamino)carbonyl]oxy]ethanimidothioate)
 against
Elasmopalpus lignosellus, on maize 706
Myzus persicae 7613
- Thiocron** (see Amidithion)
- Thiocyanic acid**
 2-(2-butoxyethoxy)ethyl ester synergist for
 azinphos-ethyl 7655
 carbaryl 7655
 DDT 7655
- Thiodan** (see Endosulfan)
- Thiodemeton** (see Disulfoton)
- Thiodia azukivora*** (see *Matsumuraes phaseoli*)
- Thiodiphosphoric acid** [(HO)₂P(S)₂O]₂
 tetraethyl ester (see Sulfotep)
 tetrapropyl ester, against, *Blissus insularis*, on *Stenotaphrum secundatum* 2822
- Thiofanox** (see 2-Butanone, 3,3-dimethyl-1-(methylthio)-, *O*[(methylamino)carbonyl]oxime)
- Thiofanox sulfone** (see 2-Butanone, 3,3-dimethyl-1-(methylsulfonyl)-, *O*[(methylamino)carbonyl]oxime)
- Thiofanox sulfoxide** (see 2-Butanone, 3,3-dimethyl-1-(methylsulfinyl)-, *O*[(methylamino)carbonyl]oxime)
- Thiohempa** (hexamethylphosphorothioic triamide)

Thiohempa contd.

adopted as common name in RAE, p. 10
sterilant for

Callosobruchus chinensis 1155
Drosophila melanogaster 1155
Musca domestica 1155

Thiometon (S[2-(ethylthio)ethyl] O,O-

dimethyl phosphorodithioate)

against

Acyrtosiphon pisum, on lucerne 690
Aphis fabae 5193

on *Vicia faba* 3285, 5194, 5600

A. gossypii, on cotton 4361

Brevicoryne brassicae, on cabbage
4921

Caliothrips fasciatus, on cotton 4361

Coccus viridis, on coffee 2106

Drosicha mangiferae, on mango 1436

Macrosiphum rosae, on rose 1499

Myzus persicae, on *Gerbera jamesonii*
1501

Oulema melanopus 272

Quadraspidiotus perniciosus, on apple
328

Tetranychus spp., on cotton 4361

T. neocaledonicus, on eggplant 2975

T. urticae, on *Gerbera jamesonii* 1501

Trialeurodes vaporariorum 1694

Tribolium castaneum 1037

in *Adonia variegata*, toxicity of 1499

in *Anthocoris nemorum*, toxicity of 5436
in apple orchards, effects on mites of
2011

in *Chrysopa carnea*, toxicity of 1499

in *Coccinella septempunctata*, toxicity of
1499, 3955

in *Encarsia formosa*, toxicity of 1694

in *Episyrphus balteatus*, toxicity of 1499,
3955

in hare, toxicity of 2293

in *Metasyrphus corollae*, toxicity of 3955

in *Metasyrphus luniger*, toxicity of 3955

in partridge, toxicity of 2293

in pheasant, toxicity of 2293

in *Vicia faba*, effect of washing on
persistence of 5194

resistance to, in

Aphis fabae, in Czechoslovakia 7613

Myzus persicae, in Poland 512

Tetranychus urticae, in Czechoslovakia
5189

with endrin, against, *Heliothis armigera*,
on sorghum 6069

Thiometon-sulfoxide (see Phosphorodithioic

acid, S[2-(ethylsulfinyl)ethyl] O,O-
dimethyl ester)

Thionazin (O,O-diethyl O-pyrazinyl

phosphorothioate)

against

Agriotes spp. 2281

Delia brassicae, on cauliflower 5598

Inopus rubriceps 3195

Thionazin contd.

against contd.

Listronotus oregonensis 877

Melolontha melolontha 2281

resistance to, in, *Trialeurodes*
vaporariorum 5794

Thionex (see Endosulfan)

Thionimon, against, *Sitophilus oryzae* 1553

Thioperoxydicarbonic diamide

([(H₃N)C(S)]₂S₂), tetramethyl- (see
Thiram)

Thiophanate (diethyl [1,2-phenylenebis(iminocarbonothioyl)]biscarbamate)

in *Trichogramma cacoeciae*, effects of
3910

Thiophanate-methyl (dimethyl [1,2-phenylenebis(iminocarbonothioyl)]biscarbamate)

against, *Cecidophyopsis ribis*, on black
currant 1997

in entomopathogenic fungi, effects of
4533

3(2H)-Thiophenone, 4,5-dihydro-2,2-dimethyl-

O[(methylamino)carbonyl]oxime
against

Aphis fabae 1023

Musca domestica 1023

Tetranychus urticae 1023

Thiotepa (1,1',1''-phosphinothioylidynetris[aziridine])

in *Ceratitidis capitata*, effect of 3437
sterilant for

Anthonomus grandis 7571

Aphis fabae 5320

Callosobruchus chinensis 3436

Ceratitidis capitata 3437

Coryca cephalonica 6861

Cydia pomonella 5761

Elateridae 5398

Heliothis virescens 3262, 5760

Laodelphax striatella 3436

Nephotettix cincticeps 3436

Thiourea, in *Heliothis virescens*, effects on
melanisation of 3342

Thiourea, N²-(4-chloro-2-methylphenyl)-N,N-dimethyl-

against

Chilo suppressalis, on rice 2811

Cnaphalocrocis medinalis, on rice
2811

Nilaparvata lugens, on rice 2811

Ostrinia nubilalis, on maize 6680

Scirpophaga incertulas, on rice 2811

Thiourea, phenyl-

in *Heliothis virescens*, effects on
melanisation of 3342

in *Tribolium castaneum*
inducing cannibalism 1019
perception of 5292
toxicity of 1019

Thiopyrimeth

- against, *Malameba locustae* 5085
- in *Melanoplus sanguinipes*, effects of 5085

Thiram (tetramethylthioperoxydicarbonic diamide $[(\text{Me}_2\text{N})\text{C}(\text{S})_2\text{S}_2]$)

- against, *Tetranychus urticae*, on *Phaseolus* 983
 - in apple orchards, effects on mites of 2013
 - in *Trichogramma cacoeciae*, effects of 1603
 - with aldrin, against, *Hylemya platura*, on *Phaseolus* 360
 - with γ -BHC
 - against
 - Tanymecus dilaticollis*, on maize 1350
 - Delia brassicae*, on cabbage 4933
 - in cabbage, toxicity of 4933
 - with bromophos, against, *Tanymecus dilaticollis*, on maize 1350
 - with chlorfenvinphos, against, *Hylemya platura*, on *Phaseolus vulgaris* 2653
 - with chlorpyrifos, against, *Hylemya platura*, on *Phaseolus vulgaris* 3951
 - with dichlofenthion
 - against
 - Delia platura* 6773
 - Hylemya platura*, on *Phaseolus vulgaris* 2653
 - with dimethoate
 - against
 - Hylemya platura*, on *Phaseolus vulgaris* 3951
 - Tanymecus dilaticollis*, on maize 1350
 - with fenchlorphos, against, *Tanymecus dilaticollis*, on maize 1350
 - with heptachlor, against, *Tanymecus dilaticollis*, on maize 1350
 - with mecarphon, against, *Hylemya platura*, on *Phaseolus vulgaris* 3951
 - with methiocarb, against, *Hylemya* spp., on cabbage 1615
- Thisoicetrinus pterostichus**
in USSR 313
on grape vine, in Azerbaijan 313
- Thistle**
Lema spp. on, in USSR 6656
L. cyanella on 6656
- Thistle, milk** (see *Silybum marianum*)
- Thistle, musk** (see *Carduus nutans*)
- Thistle, nodding** (see *Carduus nutans*)
- Thistle, plumeless** (see *Carduus acanthoides*)
- Thistle, Russian** (see *Salsola iberica*)
- Thiuram** (see Thiram)
- Thixcin E**
extender for
 cue-lure 4507
 methyl eugenol 4508

thomasi, Chaetosiphon

(Pentatrichopus)

Thomisidae, in *Trifolium* fields, in Egypt 5412**thompsoni, Lydella****thomsoni, Aphrodidium**, (*Chloridolum*)**thoracica, Diopsis****thoracica, Mycodiplosis****thoracicus, Hemichroa** (see *H. militaris*)**Thorn-apple** (see *Datura stramonium*)**thrax, Erionota****L-Threonine**

- Acyrtosiphon pisum* feeding responses to 3405
 - in *Cucumis callosus* 6152
 - in *Cucumis melo* 6152
 - in *Dysdercus similis* diet, requirement for 7069
 - in *Ricinus communis*, relation of resistance to *Trialeurodes rara* and 2078
 - in sugar-beet, *Lygus disponi* causing reduced level of 868
 - in *Tetrastichus israeli* diet, requirement for 6640
 - in *Viteus vitifoliae* 2859
- Thrinax wendlandiana, Allottingis binotata**
on, in Cuba 7288
- Thrips** (see Thysanoptera)
- Thrips**, in Himachal Pradesh 7028
- Thrips angusticeps**
in Poland 3568
on Cruciferae, in Poland 3568
- Thrips flavus**
food-plants of 4715
in Bulgaria 1333, 3700
in India 4715
on *Centaurea jacea*, in Bulgaria 1333
on cotton, in Bulgaria 3700
- Thrips florum**
in Australia 2902
on banana, in Queensland 2902
- Thrips hawaiiensis**
in India 4715
on Chinese cabbage, in Himachal Pradesh 4715
on *Prinsepia utilis*, in Himachal Pradesh 4715
- Thrips imarginis**
control of, insecticides for 4312
in Australia 4312
on apple, in New South Wales 4312
- Thrips kodaikanalensis**
in India 4715
on *Hyacinthus orientalis*, in Himachal Pradesh 4715
on *Matthiola incana*, in Himachal Pradesh 4715
on mustard, in Himachal Pradesh 4715
on radish, in Himachal Pradesh 4715
- Thrips major**
in Poland 3568

***Thrips major* contd.**

on Cruciferae, in Poland 3568

Thrips oryzae* (see *Baliothrips biformis*)**Thrips physapus***

in Bulgaria 1333

on *Centaurea jacea*, in Bulgaria 1333

Thrips spinosus

distribution of 3357

on pear, in Mexico 3357

Thrips tabaci

antennae in, malformations of 4612

biology of 381, 3700

control of 381

economic threshold for 4369

insecticides for 181, 380, 893, 973,

3027, 3700, 5651, 6188, 7399

timing of 5650

food-plants of 3700

forecasting outbreaks of 5650

in Australia 381

in Bulgaria 181, 1194, 1333, 2100–2101,

3027, 3700, 5650

in Chile 4329

in Egypt 3668, 3690, 4366, 4369

in India 893, 4715, 6188

in Netherlands 978

in Norway 973

in Poland 3568

in Taiwan 380

in Thailand 3179

in USSR 5651, 6354, 7399

on asparagus, in Bulgaria 3027

on beet, in Himachal Pradesh 4715

on carnation, in Bulgaria 3027

on cotton

damage caused by 4369

in Bulgaria 3700

in Egypt 4366, 4369

in Punjab 6188

in Tamil Nadu 893

in Thailand 3179

on Cruciferae, in Poland 3568

on cucumber, in Norway 973

on garlic

in Chile 4329

in Queensland 381

on geranium, in Bulgaria 3027

on *Hyacinthus orientalis*, in Himachal Pradesh 4715

on leek, in Queensland 381

on lettuce, in Chile 4329

on *Matricaria inodora*, in Bulgaria 1333

on onion

in Chile 4329

in Queensland 381

in Taiwan 380

on potato, in Egypt 3690

on soy bean

in Egypt 3668

varietal preference of 3668

on tobacco

effects of previous crops on 2100

***Thrips tabaci* contd.**

on tobacco contd.

in Bulgaria 181, 2100–2101

in Crimea 5651

in USSR 7399

population dynamics of 4366

population growth in, effects of irrigation

on 1194

predators of

effects of insecticides on 181

in Bulgaria 5650

preyed on by

Chrysopa carnea, and biological control

using, in Russian Republic 6354

Macrolophus rubi

and biological control using 2101

in Bulgaria 2101

Sphaerophoria rueppellii 4776

Typhlodromus cucumeris, in

Netherlands 978

season abundance of 3690

tomato spotted wilt virus in, transmission of 5651

Thrips tabaci pullus

in Bulgaria 3700

on cotton, in Bulgaria 3700

thuiella*, *Argyresthia***Thuja***

Argyresthia thuiella on, in Netherlands 1319

Parthenolecanium fletcheri on

damage caused by 6827

in Kazakhstan 6827

Thuja occidentalis*, *Thyridopteryx

ephemeraeformis on, in USA 3474

Thuja plicata*, *Syntexis libocedrii* on 426**thummi*, *Chironomus* (see *C. riparius*)*****thurberiae*, *Anthonomus grandis******thurberiella*, *Bucculatrix*****Thuricide dust (see *Bacillus thuringiensis*)****Thuricide HP (see *Bacillus thuringiensis***

var. *kurstaki*)

Thuricide 90TS (see *Bacillus thuringiensis*

var. *thuringiensis*)

thurificana*, *Rhyacionia buoliana***Thyas dotata***

illustrations of 2002

in South Korea 2002

on grapevine, in South Korea 2002

Thylodrias contractus

control of 4425

life history of 4425

Thymebatis bicolor

in Brazil 1884

parasitising, *Agrotis* spp., in Brazil 1884

Thymebatis neotropica

in Brazil 1884

parasitising, *Agrotis* spp., in Brazil 1884

Thymelicus lineola

control of, insecticides for 7658

in Canada 4875

nuclear polyhedrosis virus in 7493

Thymelicus lineola *contd.*

on grasses, in Quebec 4875

thymi, Nysius**Thymidine**

in *Drosophila melanogaster*, hormones stimulating incorporation into DNA of 1772

in *Myzus persicae* embryo, incorporation into chromosomes of 1110

in *Rhynchosciara angelae*, effects of nuclear polyhedrosis virus on incorporation into DNA of 1585

thymus, Hyssopus

Thymus vulgaris, oviposition deterrence of extracts of 7338

Thyreophagus entomophagus

in Portugal 1535

in flour mills, in Portugal 1535

Thyridopteryx ephemeriformis

Aspergillus parasiticus in and biological control using, in Georgia (USA) 963

appressoria formation by 5728

Beauveria bassiana in, and biological control using, in Georgia (USA) 963

fungi in, pathogenicity of 963

in USA 417, 963, 2735, 3474

mortality in 2735

natural enemies of, in Georgia (USA) 2735

on *Acer palmatum*, in Kansas 417

on *Juniperus virginiana*

in Kansas 417

in USA 3474

on *Thuja occidentalis*, in USA 3474

population dynamics of 417, 3474

thyrsis, Gangara**Thysanoptera**

biology of 554

collection of, methods and apparatus for 4164

control of, insecticides for 1492, 2657, 2659, 4374, 4991, 5944, 6975, 7573

food-plants of 6589

in Crimea 1

in Peru 676, 1245

in South Korea 554

in UK 6589

in barley fields, in UK 4254

in sugar-beet fields, effects of aphicides on 6165

in wheat fields

effects of fertilizers on 6917

in UK 4254

insecticides in, effects of 5806

keys to 554

Mycoplasmatales in, transmission of 4457

on apple, in Australia 6109

on cacao, in West Africa 1492

on *Cardaria draba*, in Iran 4244

on *Citrus*, in South Africa 5944, 5955

Thysanoptera *contd.*

on cotton, in Texas 4374

on Cruciferae

in Himachal Pradesh 7028

in Poland 3568

on grasses, damage caused by 1930

on medicinal plants, in Bulgaria 1333

on onion, in South Africa 5944

on Rosaceae, in Himachal Pradesh 7028

on shrubs, in USA 5687

on tea 6801

in India 3022

in Tamil Nadu 4991

polymorphism in 7044

prey of, in UK 6589

preyed on by

Hauptmannia brevicollis, in Sweden 1943

Paederus alfieri, in Egypt 5506

preying on

aphids, in UK 4254

Brevipalpus phoenicis, in West Bengal 2981

traps for 1635

Thysanura, in Turkey 4141

Tibet, Reticulitermes chayuensis in, on

Pinus 1922

tibialis, *Chaetocnema*

tibialis, *Hippodamia tredecimpunctata*

tibialis, *Peribaea*, (*Strobliomya*)

tibialis, *Sitona*

ticinensis, *Adelphocoris*

Tick (see *Ixodoidea*)

Til (see *Sesame*)

Tilachlidium, in, *Cydia pomonella*, in Austria 3252

Tilia

Ennomos quercinaria on, in Norway 117

Phalera bucephala on 6734

Tilia americana, *Malacosoma disstria* on, in North Dakota 3068, 4416

Tilia cordata, *Tetranychus urticae* on, in Finland 3051

Tilia tomentosa

Euproctis chrysorrhoea on

development of 3067

not able to develop 924

Tilia × vulgaris

Alnetoidea alneti on 6834

Drepanosiphum platanoides on 6834

tiliae, *Eucallipterus*

tiliae, *Eulecanium*

(*Lecanium*)

tiliae, *Phytocoris*

Tillandsia usneoides

Fusarium solani in, in Georgia (USA) 3025

scale insects on, in Georgia (USA) 3025

tillandsiae, *Aclerda*

tillandsiae, *Epidiaspis*

tillandsiae, *Orthezia*

tillandsiae, *Pseudoparlatoria*

tillandsiae, *Quadraspidiotus***timais, *Xanthopastis*****Timber**

Bostrychidae in, imported into USSR
6319

Dermestes lardarius in, damage caused by
3085

D. maculatus in, damage caused by 3085
insect pests of, in Australia 7686

Leptinotarsa decemlineata on, imported
into UK 2275

timberlakei, *Isodromus*

Tinaeidae, parasitised by, *Venturia canescens*
6622

tinctipennis, *Teretrura***Tinea**

biology of 5938

on protea

damage caused by 5938

in South Africa 5938

Tinea pellionella

control of 4425

insecticides for 5701

in West Germany 5698

in textiles, in West Germany 5698

in wool textiles 5701

life history of 4425

Tineola bisselliella

control of 4425

insecticides for 3084, 5702

digestive enzymes in 37

enzymes in 5862–5865

in West Germany 5698

in clothing, in Europe 6237

in textiles 3084

in West Germany 5698

in wool textiles 5702

insecticide resistance in 1532

JH mimics in, effects of 1775

life history of 4425

Tingidae

in Peru 1244

in Thailand 1200

on palms 7288

preyed on by, *Deraeocoris nebulosus*, in
Pennsylvania 6614

Tinox (see *Demeiphion*)**Tiotef (see *Thiotepa*)****Tiphia**

keys to 3369

parasitising, *Scarabaeidae*, in India 3369

Tipula

control of

baits for 7588

insecticides for 3949, 7588

evolution of 6461, 6664

iridescent virus in 7589

nuclear polyhedrosis virus in 7589

on grain crops, in UK 7588

Tipula caudispina, in Yugoslavia 4713

***Tipula* culture**, *Sciaridae* in, in England
5396

Tipula czizeki

in Netherlands 6664

in Yugoslavia 4713

in grassland, in Netherlands 6664

phenology of 6664

Tipula helvola, in Yugoslavia 4713

Tipula iridescent virus, in, *Tipula oleracea*,
replication of 2202

Tipula kleinschmidti 7279

Tipula lanispina, in Yugoslavia 4713

Tipula nausicaa, in Yugoslavia 4713

Tipula obsoleta, in Yugoslavia 4713

Tipula oleracea

in Netherlands 6664

in grassland, in Netherlands 6664

iridescent virus in, infectivity of 1588

larval development in 6461

phenology of 6664

rearing of, techniques for 5396

Tipula iridescent virus in, replication of
2202

Tipula onusta, in Yugoslavia 4713

Tipula orientalis, in Yugoslavia 4713

Tipula paludosa

control of, insecticides for 2824

in Netherlands 6664

in USA 2824

in grassland, in Netherlands 6664

in turf, in Washington 2824

larval development in 6461

on forage crops, in Washington 2824

phenology of 6664

Tipula pannonia, in Yugoslavia 4713

Tipula seguyi, in Yugoslavia 4713

Tipula soosi, in Yugoslavia 4713

Tipula vernalis, in Yugoslavia 4713

Tipulidae

in Palaearctic region 7279

in Yugoslavia 4713

in pastures

damage caused by 7279

in Spain 7279

in UK 7589

iridescent virus in, and biological control
using, in UK 7589

natural enemies of, in UK 7589

parasitised by, *Phygadeuon* spp. 1284

tipuliformis, *Synanthedon****Tiracola plagiata***

food-plants of 4989

in Papua New Guinea 3013, 4989

on cacao, in Papua New Guinea 3013

on *Leucaena leucocephala*, in Papua New
Guinea 3013

parasitised by

Ichneumon promissorius, in Papua New
Guinea 4989

Lissopimpla scutata, in Papua New
Guinea 4989

Tirathaba, in stored illipe nuts, in Sarawak
6228

- Tirathaba fructivora***, taxonomy of,
Tirathaba mundella misidentified as, in
 Malaya 1991
- Tirathaba mundella***
 biology of 1991
 control of, insecticides for 1991
 descriptions of 1991
 in Malaysia 1991
 on oil palm, in Malaya 1991
 taxonomy of
 misidentified as *Melissoblaptus*
 fructivora, in Malaya 1991
 misidentified as *T. fructivora*, in Malaya
 1991
- tirhaca*, *Ophiura***
- Tirpate** (see 1,3-Dithiolane-2-
 carboxaldehyde, 2,4-dimethyl-, *O*-
 [(methylamino)carbonyl]oxime)
- Tirpate sulfoxide** (see 1,3-Dithiolane-2-
 carboxaldehyde, 2,4-dimethyl-, *O*-
 [(methylamino)carbonyl]oxime, 3-oxide)
- tirrhaca*, *Achaea*** (see *Ophiura tirhaca*)
- Tischeriidae**
 in Irish Republic 4594
 in UK 4594
 keys to 4594
- Tit, coal** (see *Parus ater*)
- Tit, crested** (see *Parus cristatus*)
- Tit, great** (see *Parus major*)
- Titanium**
 in *Solenopsis invicta* 2697
 in *Solenopsis invicta* queens 5311
- Tiuram** (see Thiram)
- TMAC** (see 1-Aziridinecarboxamide, *N,N'*-
 1,4-butanediylbis-)
- TMTD** (see Thiram)
- Toadflax** (see *Linaria*)
- Toadflax, Dalmatian** (see *Linaria dalmatica*)
- Tobacco** (*Nicotiana tabacum*)
Agriotes sputator on, in Bulgaria 152
A. ustulatus on, in Bulgaria 152
Agrotis ipsilon on
 feeding by 5940
 in Bulgaria 2077
A. segetum on, feeding by 5940
 aphids on, in USSR 7399
Autographa gamma on, in Yugoslavia
 4985
Brevicoryne brassicae on, in Japan 3836
 carbaryl in, systemic activity of 1661
 chlorpyrifos in, toxicity of 6359, 6798
 DDT in, residues of 5212
 dieldrin in, residues of 5212
 Elateridae on, in North Carolina 7398
Euxoa detersa on, in Ontario 6598
E. messoria on
 in Ontario 6195
 in Quebec 6798
 groundnut stunt virus in 3120
Heliothis armigera on, in Bulgaria 1275,
 2077
- Tobacco** *contd.*
Heliothis *contd.*
H. virescens on
 damage caused by 3011
 in North Carolina 794, 4263
H. zea on, in North Carolina 94,
 794-795, 4263
Henosepilachna vigintioctopunctata on, in
 India 1299
 insect pests of
 in Quebec 5473, 5475
 in Queensland 6193-6194
 models of 6195
Leptinotarsa decemlineata on, not feeding
 6196
 leptophos in, toxicity of 6359, 6798
Loxostege spp. on, in North America
 7032
Manduca sexta on 1752
 in Colombia 3540
 in Puerto Rico 3717
 in Virgin Islands 6192
 methomyl in, determination of 4563
Myzus persicae on
 in Bulgaria 181, 397
 in East Germany 5620
 in Japan 3836
 in Ontario 398
 in Poland 512
 organochlorine insecticides in, residues of
 2305
 pest control on 1623
 in Queensland 6193, 6797
 in Sri Lanka 536
 pest management on 6195
 pests of, in Turkey 4380
Phthorimaea operculella on
 in Australian Capital Territory 2967
 in New Zealand 3686
 in Peru 677
 in South America 1277
 in Zambia 2070
Spodoptera litura on
 in Gujarat 2099
 resistance to 2098
Thrips tabaci on
 effects of previous crops on 2100
 in Bulgaria 181, 2100-2101
 in Crimea 5651
 in USSR 7399
 Tirpate in, metabolism of 4543
 tobacco vein-mottling virus in, in North
 Carolina 460
 tomato aspermy virus in, aphid
 transmission of 5071
Trialeurodes vaporariorum on, rearing of
 5465
 turnip mosaic virus in, aphid transmission
 of 5725
 virus diseases of, in Israel 6324
Xanthomonas spp. in 7295

Tobacco (cured leaves)

- DDT in, residues of 532
 endosulfan in, residues of 532

Tobacco etch virus

- in
Cassia tora, in Venezuela 1573
Myzus persicae, transmission of 1573
 Solanaceae, in Venezuela 1573

Tobacco fields, beneficial insects in, effects of insecticides on 181**Tobacco leaf curl virus 883**

- in
Bemisia tabaci, transmission of 1476, 7381, 7478
 tomato
 in Karnataka 7478
 in Punjab 1476
 in Sudan 7381

Tobacco mosaic virus 860**Tobacco smoke, against, *Taeniothrips simplex*, on *Gladiolus* 7408****Tobacco (stored)**

- Ephestia elutella* in, effects of redrying on 6290
Lasioderma serricorne in control of 6241
 effects of redrying on 6290
 in Queensland 445
 pest control in
 fumigants for 6298
 fumigation for 6308
 microwave irradiation for 5703

Tobacco, tree (see *Nicotiana glauca*)**Tobacco vein-mottling virus**

- in
Myzus persicae, transmission of 460
Rumex, in North Carolina 460
Solanum carolinense, in North Carolina 460
 tobacco, in North Carolina 460

Tobacco waste, nicotine manufacture from 7573**Togo, *Sitophilus* spp. in, in stored maize 6234****Tolyfluanid (1,1-dichloro-*N*[(dimethylamino)sulfonyl]-1-fluoro-*N*-(4-methylphenyl)methanesulfenamide) in *Apis mellifera*, toxicity of 1698*****Tolypocladium cylindrosporium*, in, *Plecia nearctica*, in Florida 3132****Tomatine, in *Myzus persicae* diet, feeding responses to 6383****Tomato (*Lycopersicon esculentum*)**

- acephate in, residues of 2657
Aculops lycopersici on, in Netherlands 6903
Agrotis ipsilon on
 in Bulgaria 2077
 in New Zealand 3515
 aphids on, in France 982
Aphis gossypii on
 in Rajasthan 3558

Tomato contd.

- Aphis gossypii* on contd.
 in Russian Republic 6354
 arthropod pests of, in UK 545
 azinphos-ethyl in, residues of 5802
 azinphos-methyl in, residues of 5802
Bemisia tabaci on
 in Karnataka 7478
 in Punjab 1476
 in Sudan 7381
Coccus pseudomagnoliarum on, in Turkey 1427
 cucumber mosaic virus in, infectivity of 5069
 demephion in
 effects of 5813
 metabolism of 1682
 residues of 1682
Diabrotica speciosa on, in Brazil 4761
 dichlorvos in, residues of 3917
Empoasca decipiens on, in Bulgaria 3510
 endosulfan in, residues of 5769
Euxoa spp. on, in Ontario 6360
Graphognathus leucoloma on, in New Zealand 3605
Heliothis armigera on
 damage caused by 3691
 in Bulgaria 1275, 2077
 in Maharashtra 6176
 in New Zealand 3691
 rearing of 3495
H. zea on 7382
 damage caused by 6682
 development of 4184
 in Canada 6682
Henosepilachna vigintioctopunctata on, in India 1299
Keiferia lycopersicella on
 damage caused by 2974
 in California 1905
 in Florida 382, 882, 2974
Leptinotarsa decemlineata on
 feeding by 6196
 in Ontario 1679
 in USSR 7380
 leptophos in, residues of 1685
Liriomyza bryoniae on 7583
L. sativae on
 damage caused by 3692
 in Florida 3692
 in Ontario 6175
 menazon in
 effects of 5813
 metabolism of 1682
 residues of 1682
 methamidophos in
 metabolism of 5783
 residues of 2657
Myzus persicae on
 in Brazil 679
 in Moldavia 6354-6355

Tomato contd.

- Opogona sacchari* on, development of 6201
 organochlorine insecticides in, residues of 5803
 oviposition deterrence of extracts of 7338
 pest control on 7583
 biological 798
 in Poland 6757
 in Switzerland 3862
 in UK 979
 pests of, in Egypt 3690
 phorate in, metabolism of 3920
Phthorimaea operculella on, in New Zealand 3686
 potato leaf roll virus in, in Brazil 679
 propoxur in, residues of 5769
Protambulyx strigilis on, in Brazil 5243
 quinalphos in, residues of 1042
Scrobipalpus absoluta on, in Peru 677
Spodoptera littoralis on
 in Egypt 3666
 in Pakistan 5399
S. litura on 1112
 Symphyla on, in UK 4194
Tetranychus urticae on
 in Netherlands 978, 4512
 in Norway 973
 resistance to 3866
 tobacco leaf curl virus in
 in Karnataka 7478
 in Punjab 1476
 in Sudan 7381
 tomato yellow leaf curl virus in, in Israel 6177
 tomato yellow mosaic virus in
 in India 6177
 symptoms of 6177
Trialeurodes vaporariorum on 2658
 in Belgium 5297
 in Bulgaria 6919
 in England 5633
 in Mexico 1474
 in Netherlands 978, 4512, 6903, 6909
 in Norway 973
 in Tamil Nadu 5632
 rearing of 5465
 resistance to 1474
 trichlorophen in, residues of 3917
Tripsaxoxa strigata on, in Uruguay 5404
Udea ferrugalis on, development of 5591
 virus diseases of, in Israel 6324
- Tomato aspermy virus**
 in
 Chrysanthemum indicum
 in New Zealand 5071
 symptoms of 5071
 Myzus persicae, transmission of 5071
 tobacco, aphid transmission of 5071
- Tomato bronze leaf virus** (see Tomato spotted wilt virus)
- Tomato chino disease**, causal agent, in, *Trialeurodes vaporariorum*, transmission of 1474
- Tomato, husk** (see *Physalis ixocarpa*)
- Tomato leaf curl disease (India)**, caused by tobacco leaf curl virus 1476, 7478
- Tomato leaf curl disease (Sudan)**, caused by tobacco leaf curl virus 7381
- Tomato spotted wilt virus**, in, *Thrips tabaci*, transmission of 5651
- Tomato (stored seeds)**
 carbon disulfide in, effects on germination of 3799
 phosphine in, effects on germination of 3799
Plodia interpunctella in, in Bulgaria 2166
Reesa vespulae in, in East Germany 5717
- Tomato, tree** (see *Cyphomandra betacea*)
- Tomato yellow leaf curl virus** 883
 anti-factor to 3807
 in
 Bemisia tabaci, transmission of 3807
 tomato, in Israel 6177
- Tomato yellow mosaic virus**
 in
 Bemisia tabaci, transmission of 6177
 Solanaceae 6177
 tomato
 in India 6177
 symptoms of 6177
- tomentosa*, *Eurybrachys*
tomentosicollis, *Acanthomia*
tomentosus, *Bradybatus*
tomentosus, *Byturus*
tomentosus, *Dactylopius*
Tomicobia seitneri
 in USSR 6627
 parasitising, bark beetles, in USSR 6627
- Tomicus*, in West Germany 5684
- Tomicus destruens* (see also *Myelophilus destruens*)
 aggregation in 604
 in France 604
 on *Pinus*, in France 604
 pheromones in 604
- Tomicus minor*
 flight activity in 425
 gallery system of 3050
 in Poland 5006
 in Sweden 425
 nematodes in, in Poland 5006
 on *Pinus* 3050
 in Poland 5006
 in Sweden 425
 population dynamics of 5006
 preyed on by, *Thanasimus* spp., in Poland 5006
- Tomicus piniperda*
 attracted by *T. destruens* aggregation pheromone 604

***Tomicus piniperda* contd.**

- competing with, *Ips sexdentatus* 5675
- flight activity in 425
- gallery system of 3050
- in Finland 5675
- in Poland 5006
- in Sweden 425
- nematodes in, in Poland 5006
- on *Pinus* 3050
 - in Poland 5006
 - in Sweden 425
- orientation reactions in 3776
- population dynamics of 5006
- preyed on by, *Thanosimus* spp., in Poland 5006

- respiratory metabolism in, factors affecting 7055

Tomoplagia obliqua*, taxonomy of 1731**Tomosvaryella epichalca***

- in Taiwan 2801
- parasitising
 - Nephotettix cincticeps*, in Taiwan 2801
 - Nilaparvata lugens*, in Taiwan 2801

Tomosvaryella oryzaetora

- in Taiwan 2801, 4862
- parasitising
 - Nephotettix cincticeps*, in Taiwan 2801, 4862
 - Nilaparvata lugens*, in Taiwan 2801

Tomosvaryella subvirescens

- in Taiwan 2801
- parasitising
 - Nephotettix cincticeps*, in Taiwan 2801
 - Nilaparvata lugens*, in Taiwan 2801

Tomosvaryella sylvatica

- in Taiwan 2801
- parasitising
 - Nephotettix cincticeps*, in Taiwan 2801
 - Nilaparvata lugens*, in Taiwan 2801

tonsipes*, *Atta colombica***toombii*, *Bimba******Toona ciliata***

- Hypsipyla grandella* on
 - in Costa Rica 3077
 - mortality of 3079
 - resistance to 3077
- Pseudaulacaspis pentagona* on, in Puerto Rico 2143

Toothpaste (see Dentifrices)**Torbidan (see DDT, with methyl-parathion, and toxaphene)*****torella*, *Erythroneura******toreuta*, *Cydia*, (*Laspeyresia*)*****torquata*, *Barylypa*****Tortricidae**

- attractants for 1139
- control of, biological 3835
- food-plants of 2148
- in Malaysia 2148

Tortricidae contd.

- in Mongolia 4142
- in orchards, in France 1139
- on apple, in Netherlands 7555
- on fruit trees
 - in Europe 7552
 - in Poland 4306
- parasitised by, *Venturia canescens* 6622
- reproductive system in 2364

Tortricinae, in Japan 5224***Tortrix***

- control of, *Bacillus thuringiensis* for 2251
- in forests, in Yugoslavia 2251

Tortrix capensana

- biology of 5957
- control of
 - Bacillus thuringiensis* for 5957
 - insecticides for 5957
- in South Africa 5957
- on *Citrus*
 - damage caused by 5957
 - in South Africa 5957
- parasitised by
 - Hymenoptera, in South Africa 5957
 - Tachinidae, in South Africa 5957
- traps for 5957

Tortrix pronubana* (see *Cacoecimorpha*)**Tortrix viridana***

- biology of 6832
- control of
 - Bacillus thuringiensis* for 6832, 6904, 7422
 - insecticides for 6832
- in Czechoslovakia 6904
- in Italy 919, 3754
- in USSR 5454, 6832, 7422
- in West Germany 5684
- mortality in 7422
- on *Quercus*
 - in Czechoslovakia 6904
 - in Russian Republic 6832
 - in USSR 5454
- on *Quercus suber*, in Italy 919, 3754
- parasites of, in Russian Republic 6832
- parasitised by, *Phaeogenes invisor*, in Russian Republic 7422
- population dynamics of 919, 7422
- predators of, in Russian Republic 6832
- preyed on by
 - Formica* spp., in USSR 5454
 - F. polycetena* 1266
 - F. rufa*, and biological control using, in Russian Republic 6832

Torula yeast (see *Candida utilis*)***Torulopsis aerea*, in, *Hylemya platyura*, effects on oviposition of 2489*****torvus*, *Syrphus*****Torymidae, parasitising, Lepidoptera, in Switzerland 2128*****Torymus bedeguaris***

- in USSR 7209

Torymus bedeguaris *contd.*

parasitising, *Diplolepis mayri*, in USSR 7209

Torymus montanus

sp. nov., description of 7209

in USSR 7209

parasitising, *Diplolepis mayri*, in USSR 7209

Torymus nigricornis

in Netherlands 424

parasitising, *Cynips quercusfolii*, in Netherlands 424

tosichella, Aceria**totarae, Neophyllaphis****tournieri, Enicospilus**

Townsendiellomyia nidicola, taxonomy of, characters distinguishing *Palesia nudiculata* and 782

Tox-DDT (see DDT, with toxaphene)

Toxaphene 7670

against

Ceutorhynchus assimilis, on rape 1480

Chalcodermus bimaculatus, on *Vigna unguiculata* 4946

Chilo partellus, on maize 4840

Curculio sayi, on *Castanea mollissima* 4896

Cydia nigricana 1676

Dasineura brassicae, on rape 1480

Galleria mellonella 517

in beehives 2260

Heliothis zea, on maize 4843

Leptinotarsa decemlineata, on potato 7377

Musca domestica 531

pests of lucerne 4294

pests of rape 1050

Plusia argentifera 6957

Quadraspidiotus perniciosus, on apple 328

Spodoptera frugiperda, on maize 4843

Thrips imaginis, on apple 4312

Tribolium castaneum 1037

Xanthopastis timais, on Amaryllidaceae 2112

chemical composition of 508

components of 1005, 4538-4539

in atmosphere, residues of 5211

in beneficial insects, toxicity of 5205

in *Crassostrea virginica*, residues of 3921

in estuaries, residues of 3921

in *Fundulus heteroclitus*, residues of 3921

in honey bees, toxicity of 517

in marshland, residues of 4577

in meadows, residues of 1050

in mouse, toxicity of 531, 1005

in mouse intestine, inhibiting active

transport of glucose 1686

in *Musca domestica*, toxicity of 1005

in *Nomuraea rileyi*, toxicity of 3823

in pastures, residues of 1050

Toxaphene *contd.*

in rat, metabolism of 531, 6949

in rice-fields, residues of 4577

in *Spartina alterniflora*, residues of 3921

in tobacco, residues of 2305

taints from, avoidance of 7675

with azinphos-methyl, against, *Curculio sayi* 4896

with chlordimeform, against, *Heliothis virescens* 6399

with chlordimeform, and methyl-parathion, against, *Heliothis* spp., on cotton 4374

with DDT

against

Anthonomus grandis 519

Bucculatrix thurberiella, on cotton 2988

Cnaphalocrocis medinalis, on rice 827

Heliothis spp., on *Physalis ixocarpa* 1475

H. armigera, on cotton 3179, 7518

pests of cotton 2092, 4376, 6188

Symmetrischema spp., on *Physalis ixocarpa* 1475

resistance to, in, *Heliothis armigera*, in New South Wales 3701

with DDT, and methyl-parathion against

bollworms, on cotton 7391

Cicadellidae, on cotton 7391

pests of cotton 4376

Tetranychus arabis, on cotton 891

T. cucurbitacearum, on cotton 891

in cottonseed, residues of 4576

with DDT, and parathion, against,

Bucculatrix thurberiella, on cotton 2988

with methomyl

against

Heliothis zea, on maize 4843, 5498

Spodoptera frugiperda, on maize 4843, 5498

with methyl-parathion

against

Anthonomus grandis, on cotton 2989

Heliothis spp., on cotton 2989, 4374

H. zea, on maize 4843, 5498

Spodoptera frugiperda, on maize

4843, 5498

with naled, against, *Keiferia lycopersicella*, on tomato 882

Toxemia, in grain crops, caused by insects 6038

Toxins

Bacillus thuringiensis 165, 1580-1582, 1595, 2197, 2215, 2223, 2553, 3141, 4484, 6911

entomophagous fungi 6427

Fusarium 4159

Toxins contd.*Fusarium contd.**F. aleyrodis* 6881*Myrothecium* 4159*Pseudomonas aeruginosa* 7476**Toxobakterin** (see *Bacillus thuringiensis*)**Toxoptera aurantii**

biology of 2862

in Australia 2862

in Italy 6746

in Kenya 3802

in São Tomé 4208

on *Citrus*

in Italy 6746

in São Tomé 4208

on coffee, in São Tomé 4208

on *Hibiscus*, in São Tomé 4208on *Macadamia*, in Queensland 2862on *Passiflora*, in São Tomé 4208

on passion fruit, in Kenya 3802

Toxoptera citricida

citrus tristeza virus in, transmission of 4912

in Kenya 3802

in Peru 176

in South Africa 4912

on passion fruit, in Kenya 3802

taxonomy of, *Aphis citricola* treated as synonym of 1084**Toxoptera graminum** (see *Schizaphis*)**Toya propinqua**

in Turkey 6038

on barley, toxemia caused by 6038

Trabala vishnou

biology of 158

in India 158

on pomegranate, in Karnataka 158

on *Ricinus communis*, in Karnataka 158on *Syzygium jambas*, in Karnataka 158**Trace elements**, diet component for, *Myzus persicae* 1836**Trachylepidia fructicassilla**

in Pakistan 1893

on *Cassia fistula*, in Pakistan 1893

parasitised by

Goniozus rugosus, in Pakistan 1893*Plagiospherysa trinitatis* 1304**trachynotus**, *Meteor***trachypterus**, *Chrotogonus***Trachys herilla**

in India 3648

on okra, in Haryana 3648

tragardi, *Apicoterme***tragica**, *Elodia***Trail pheromones***Chilocorus bipustulatus* 4693*Eciton* spp. 4770*Lasius fuliginosus* 2690**Tranid** (see Bicyclo[2.2.1]heptane-2-

carbonitrile, 5-chloro-6-

[[[(methylamino)carbonyl]oxy]imino]-,

[1S(1 α ,2 β ,4 α ,5 α ,6E)]-)**transarcticus**, *Rosenus***transcaucasicum**, *Eulecanium* (see *E. tiliae*)**Transferase**, in mammals, detoxication of organic phosphates by 2644**transfixa**, *Plusia* (see *Trichoplusia vittata*)**transitella**, *Amyelois*(*Paramyelois*)**transversa**, *Cetema***transversalis**, *Coccinella repanda* (see *C. repanda*)**transversoguttata**, *Coccinella***Tranylcypromine** (*trans*-(\pm)-2-

phenylcyclopropanamine)

in *Ostrinia nubilalis*, oxidase inhibition by 6469**Trap, bait**

for

Oryzaephilus surinamensis 7595

stored-product insects 5706

Tortricidae 3498

Trap-band

for

Curculio caryae 6715, 7297*Cydia pomonella* 6375, 6723, 6727*C. pyrivora* 6118*Dysaphis devecta* 6106**Trap, Biplan**

description of 2021

for, *Cydia funebrana* 2021**Trap, blue pan**, for, arthropods in clover fields 1635**Trap, box**

description of 4735

for

Anthomyiidae 5592

Archips semifervans 4735**Trap, burlap**, for, *Cydia pomonella* 4907**Trap, chemical**, for, Scarabaeidae 4825**Trap, chemosterilant**, for, aphids 1636**Trap, cone**, for, *Discestra trifolii* 3398**Trap, cone emergence**, for, *Curculio caryae* 2560**Trap, cubicle**

description of 4735

for, *Archips semifervans* 4735**Trap, double-wing**, for, *Rhagoletis pomonella*, Tachinidae in 3621**Trap, electric-grid**

apparatus for baiting with candidate pheromones 4048

for

Heliothis zea 5824*Spodoptera exigua* 4725*S. frugiperda* 4725**Trap, emergence**

for

Anthomyiidae 5592

bark-dwelling insects 6576

Cotinis nitida 5523*Curculio caryae* 6715*Popillia japonica* 5523

- Trap, Entonnoir**
description of 2021
for, *Cydia funebrana* 2021
- Trap, funnel**
description of 2130
for, insects 2130
- Trap, glass, for, *Ceratitis capitata*** 1647
- Trap, heap, for, Elateridae** 3517
- Trap, Howell, for, *Ceratitis capitata*** 143
- Trap, Johnson**
description of 4735
for
Archips semiferanus 4735
Lymantria dispar 3505
- Trap, Leggett, for, *Anthonomus grandis***
2563, 5638, 6189
- Trap, lure**
for
Chrysopa spp. 4174
Dacus cucurbitae 4174
D. dorsalis 4174
D. umbrosus 4174
- Trap, Malaise**
description of, modified for windswept areas 4733
for, rice insects 3173
- Trap, male-baited, for, *Anthonomus grandis***
3397
- Trap, McPhail**
for
Anastrepha suspensa 5270
Ceratitis capitata 1181, 3215,
4144-4145
Dacus oleae 1181, 5137
Rhagoletis cerasi 4723
- Trap, mechanical rotary, for, *Xyleborus dispar*** 4398
- Trap, Moericke**
for, parasitic Hymenoptera 4217
modifications to 6569
- Trap, pan, for, *Pectinophora gossypiella***
4116
- Trap, Pherocon IC, for, *Phthorimaea operculella*** 2074
- Trap, Pherocon IC sticky, for, *Anarsia lineatella*** 2863
- Trap, Pherocon ICP**
for
Cydia molesta 849
C. prunivora 849
Phthorimaea operculella 2074
- Trap, Pherocon ICPY**
for
Phthorimaea operculella 2074
Rhagoletis pomonella 1420
- Trap, pheromone**
description of 2132, 3502
for
Adoxophyes orana 1634, 3208
Amyelois transitella 6098
Anthonomus grandis 2563
Attagenus megatoma 444
- Trap, pheromone contd.**
for contd.
Ceratitis capitata 2411
Cydia funebrana 1634, 3208
C. molesta 2022
C. pomonella 1634, 3208, 5558
Dacus cucurbitae 2411
D. dorsalis 2411
Dendroctonus spp. 925
Ephestia spp. 444
Gretchena bolliana 3396
Hylurgopinus rufipes 3736
Ips duplicatus 1142
Lymantria dispar 131
Mamestra brassicae 1634
Naranga aenescens 4850
Noctuidae 4045
Ostrinia nubilalis 1634, 2411, 6678
pests of stored products 440
Plodia interpunctella 444
Pseudoplusia includens 3670, 4701
Rhyacionia buoliana 2154
R. neomexicana 3502
Scolytus multistriatus 2132, 3736,
5757
Spodoptera frugiperda 4725
S. littoralis 4370, 6527
Tortricidae 2884
Trichoplusia ni 131, 4701
Trogoderma inclusum 444
- Trap, Pherotrap**
description of 2021
for, *Cydia funebrana* 2021
- Trap, Pherotrap 1, for, *Cydia pomonella***
4907
- Trap, Pherotrap 1C, for, *Cydia pomonella***
3627
- Trap, Pherotrap 1CP, for, *Cydia pomonella***
3627
- Trap, pit**
for
Collembola 1978
Sminthuridae 1978
- Trap, pitfall**
description of 2581
for
Carabidae 1198-1199
Coleoptera 2827
Coleoptera in rail freight wagons 6293
Diptera 2827
Gryllus spp. 6525
Harpalus rufipes 802
Lepidoptera 2827
Linyphiidae 1198
Micryphantidae 1198
Pardosa ramulosa 1293
Pterostichus spp. 802
P. madidus 651
Staphylinidae 4772
- Trap, rotating, for, aphids** 1451
- Trap, Sectar, for, *Rhagoletis pomonella***
2879

Trap, Sectar 1

for

- Cydia pomonella* 3627
Rhagoletis pomonella 1420

Trap, Sectar Pull-Down, for, *Rhagoletis pomonella* 1420**Trap, sex-attractant**

description of 669, 1837, 3498, 4735, 5912

for

- Adoxophyes orana* 3631, 4903, 7591
Aegeria pictipes 1222
Anarsia lineatella 2863
Anthonomus grandis 2994
Archips podanus 7591
A. semifleranus 1779, 4735
Argyrotaenia velutinana 3460
Attagenus megatoma 6574
Calantra spp. 3344
Chilo suppressalis 5267
Choristoneura fumiferana 3742
Cydia spp. 7591
C. funebrana 2021, 6119, 6735
C. molesta 2889, 5139
C. nigricana 2052
C. pomonella 2089, 2877, 2881, 3208, 3627–3628, 3874, 4904, 5558, 5761, 5946, 6375, 6925, 7559
Dacus spp. 3344
Dendrolimus spectabilis 605
Diparopsis castanea 5905
Earias insulana 6793
Elasmopalpus lignosellus 1460
Elateridae 5398
Heliothis virescens 644
H. zea 644
Hemerocampa pseudotsugata 3075
Hypsipyla grandella 4072
Lepidoptera 3497, 7557
Lymantria dispar 506, 1806, 3053, 3505, 3868, 5122, 5759
L. monacha 1806, 2266, 5003
Mamestra configurata 2916
Ostrinia nubilalis 1146, 1837, 5499
Pammene rhediella 7591
Pectinophora gossypiella 4116
pests of apple 7314
pests of stored products 7568
Phthorimaea operculella 2074, 2973, 5912
Platynota stultana 3490
Prays oleae 2575
Pseudococcidae 6542
Rhyacionia buoliana 1633
Spodoptera exigua 4725
S. littoralis 1809, 4370
S. litura 98, 140, 640, 669–671, 1747, 5360
Tortricidae 3498
Trogoderma inclusum 6574
insect control using 3160

Trap, sound

for

- Scapteriscus acletus* 1796
S. vicinus 1796

Trap, Steiner

for

- Calantra* spp. 3344
Ceratitis capitata 3215, 3506, 4144–4145
Dacus spp. 3344
D. dorsalis 221

Trap, sticky

attractants in adhesives for 3506
description of 1241, 4325
for

- Aeneolamia varia* 1936
Anthomyiidae 5592
Anthonomus grandis 2563
Aphanostigma piri 2018
Aphis fabae 3679
Biosteres oophilus 1241
Buprestidae 3057
Ceratitis capitata 1181, 3506, 5131
Cydia nigricana 2052
Dacus dorsalis 1241
D. oleae 1181
Dendroctonus pseudotsugae 4999
Diabrotica virgifera 2788
Heliothis virescens 2497
H. zea 5824
Hemerocampa pseudotsugata 3075
Hoplocampa flava 5386
H. minuta 5386
Hylemya platura 2910–2911
Hyldredectonus araucariae 428
Hypothenemus eruditus 643
Inopus rubriceps 1182
Liriomyza sativae 6756
Lymantria dispar 5759
L. monacha 2266
Metaphycus helvolus 5108
Myzus persicae 3679
Ooencyrtus spp. 192
Othniidae 3057
Phloeosinus dentatus 3037
Platypodidae 642
Platypus solidus 642
Pseudococcidae 6542
Rhagoletis cerasi 4322
R. cingulata 2580
R. pomonella 2580, 2876, 2879
Scirtothrips citri 4325
Scolytidae 643
Spodoptera exigua 4725
S. frugiperda 4725
Syllitus spp. 641

Trap, sticky-board, for, Cicadellidae 331**Trap, sticky suction, for, Hymenopterous parasites 2109****Trap, suction**

for

- aphids 1880

Trap, suction contd.

for contd.

- Aphis fabae* 3966
- Cydia nigricana* 2052
- Epiphyas postvittana* 6100
- Laodelphax striatella* 4132
- Messa hortulana* 2129
- Psila rosae* 2069
- Stenocranus minutus* 4282

Trap, time-sort pitfall, description of 4736**Trap, triangular, for, *Lymantria dispar*** 3505**Trap, vane**

description of 4735

for

- Archips semiferranus* 4735
- Spodoptera littoralis* 1809

Trap, visual, for, *Rhagoletis cerasi* 4723**Trap, water**

for

- aphids 4151
- Cydia nigricana* 2052
- Hylemya brassicae* 3409
- Paralipsa gularis* 2174

Trap, water-trough, for, *Spodoptera littoralis* 3256**Trap, wet, for, *Vespula* spp.** 2567**Trap, Whittam, for, *Anthonomus grandis*** 6189**Trap, window**

for

- Scolytidae 3763
- Trypodendron lineatum* 2177, 3061

Trap, wing

for

- Anthonomus grandis* 2563
- Cydia pomonella* 2877

Trap, yellow

effect of shape on catch in 5392

for

- arthropods in clover fields 1635
- Schizaphis graminum* 2508

Trap, yellow bait, for, *Rhagoletis pomonella* 1420**Trap, yellow pan**

for

- Anthomyiidae 5592
- aphids 711, 1879, 2370
- apple insects 3630
- Aulacorthum solani* 2072
- Macrosiphum euphorbiae* 2072
- Myzus persicae* 679, 2072

Trap, yellow sticky, for, *Rhagoletis cerasi* 1842**Trap, yellow water**

evaluation of catches in 7156

for

- aphids 7156, 7375
- Macrosiphum euphorbiae* 4925
- Myzus persicae* 4925
- Uroleucon pseudambrosiae* 4925

trapezalis*, *Marasmia**Traps**

bait dispensers for 131

for

- Adoxophyes orana* 3260
- Anastrepha suspensa* 5270
- Anthonomus grandis* 6191
- Anystis* spp. 5472
- aphids 1881
- Aphodius tasmaniae* 4584
- Archips semiferranus* 3059
- bark-beetles 3737
- Carabidae 370
- Ceratitis capitata* 2561, 2568, 4149
- Cydia funebrana* 3260
- C. pomonella* 1221, 1648, 3260
- Dacus cucurbitae* 2568
- D. dorsalis* 219-220, 2568
- Delia platura* 6773
- Heterocera 670
- Hylobius pales* 3034
- Lachnosterna patueloides* 4826
- Lathrolestes nigricollis* 3749
- Lymantria dispar* 2263
- Noctuidae 670
- Oryctes rhinoceros* 2847
- Pachylobius picivorus* 3034
- Pectinophora gossypiella* 890
- pests of stored grain 1551
- Rhinyptia laeviceps* 4873
- Sesamia nonagrioides* 1234
- Spodoptera litura* 662
- Staphylinidae 370
- Taenioglyptes fulvus* 3755
- Vespula* spp. 3210

Trathala flavo-orbitalis* (see *Cremastus*)**Treatia indica***

biology of 2728

in India 2728

parasitising, *Dysdercus koenigii*, in India 2728***Trechus quadristriatus***

in UK 799

preying on

- aphids, in England 799
- Hylemya brassicae*, in Poland 4782

tredecimpunctata*, *Hippodamia**Trees**

aphids on, in Hungary 4003

Euproctis chrysorrhoea on, in East Germany 731**Trefoil, birds' foot (see *Lotus corniculatus*)****Trehalase**in *Apis mellifera* 6481in *Bombyx mori* ovaries, hormonal regulation of 6506in *Bombyx mori* silk glands 4645in *Drosophila melanogaster* 6481in *Leucophaea maderae* 6481in *Locusta migratoria* gut 739in *Melanoplus differentialis* 6481in *Musca domestica* 6481

Trehalase *contd.*

- in *Schistocerca americana* thoracic muscle, properties of 2681
- in *Tenebrio molitor* 6481

Trema orientalis, *Apriona germari* on, in Taiwan 4305

tremulae, *Caliroa*

tremulae, *Pachypappa*, (*Aphis*)

trepanatus, *Ips*, (*Pityogenes*)

Tretamine (2,4,6-tris(1-aziridinyl)-1,3,5-triazine)

- sterilant for, *Heliothis virescens* 3262

Trialeurodes rara

- in India 2078
- on *Ricinus communis* in Tamil Nadu 2078
- resistance to 2078

Trialeurodes vaporariorum

- Aschersonia aleyrodis* in, and biological control using 490
- biology of 490
- control of
 - fumigants for 978
 - growth regulators for 2658, 5297
 - insecticides for 490, 1694, 3937, 5633, 5750, 5811
 - integrated 4512, 6919

- DDT resistance in and cross-resistance 5794
- in England 3937

food-plants of, selection of 4703, 5344

fungicides in, toxicity of 5810–5811

in Belgium 5297

in Bulgaria 6919

in India 5632

in Mexico 1474

in Netherlands 978, 4512, 6903, 6909

in Norway 973

in Poland 1694, 6918

in Sweden 975, 6909

in UK 3937, 5633, 6151

in USA 1639

in USSR 6354, 6638

insecticide resistance in, in UK 6151

light responses in 4703

malathion resistance in, in England 3937

olfactory responses in, role in orientation of 5344

on *Capsicum*, in Netherlands 4512

on *Capsicum annuum*, in Netherlands 6903

on cucumber

in Netherlands 978, 4512, 6903

in UK 6151

on cucurbits 490

on eggplant, in Netherlands 978

on *Euphorbia pulcherrima*, in New York 1639

on *Phaseolus*, in England 3937

on *Physalis*, in Mexico 1474

on potato, in Tamil Nadu 5632

on soy bean, in Tamil Nadu 5632

Trialeurodes vaporariorum *contd.*

on tobacco, rearing of 5465

on tomato 2658

in Belgium 5297

in Bulgaria 6919

in England 5633

in Mexico 1474

in Netherlands 978, 4512, 6903, 6909

in Norway 973

in Tamil Nadu 5632

rearing of 5465

resistance to 1474

parasites of

effects of fungicides on 5810–5811

effects of insecticides on 1694

effects of quinomethionate on 6919

parasitised by

Encarsia formosa 984, 5465,

5810–5811, 7121

and biological control using 490, 6918

in Bulgaria 6919

in Netherlands 978, 4512, 6903, 6909

in New York 1639

in Norway 973

in Poland 1694

in Sweden 975, 6909

in UK 6151

in USSR 6638

parathion resistance in, and cross-resistance 5794

preyed on by

Chrysopa carnea, and biological control using, in Russian Republic 6354

Macrolophus rubi, and biological control using 490

resmethrin resistance in, in England 3937

tomato chino disease, causal agent in, transmission of 1474

visual responses in, role in orientation of 5344

triangularis, *Lobodiplosis***triangularis**, *Parallelodiplosis***triangularis**, *Phylanthus*

Triarimol (α -(2,4-dichlorophenyl)- α -phenyl-5-pyrimidinemethanol)

in *Phytoseiulus persimilis*, toxicity of 3655

in *Pyrrhocoris apterus*, effects on puparium formation of 5883

in *Sarcophaga bullata*, effects on puparium formation of 5883

Triaspis caudatus, parasitising, *Apion* spp., in Europe 841

Triatoma infestans, lipids in, glycosylation of 6471

1,3,5,2,4,6-Triazatriphosphorine, 2,2,4,4,6,6-hexakis(1-aziridinyl)-2,2,4,4,6,6-hexahydro- (see Apholate)

- 1,3,5,2,4,6-Triazatriphosphorine, 2,2,4,4,6-pentakis(1-aziridinyl)-6-(dimethylamino)-2,2,4,4,6,6-hexahydro-sterilant for
Callosobruchus chinensis 1155
Drosophila melanogaster 1155
Musca domestica 1155
- Triazid** (see Amitraz)
- 1,3,5-Triazine-2,4-diamine, 6-chloro-*N,N'*-bis(1-methylethyl)- (see Propazine)
- 1,3,5-Triazine-2,4-diamine, 6-chloro-*N,N'*-diethyl- (see Simazine)
- 1,3,5-Triazine-2,4-diamine, 6-chloro-*N*-ethyl-*N'*-(1-methylethyl)- (see Atrazine)
- 1,3,5-Triazine-2,4-diamine, *N*-(1,1-dimethylethyl)-*N'*-ethyl-6-(methylthio)- (see Terbutryne)
- 1,3,5-Triazine-2,4-diamine, 6-(2-furanyl)-in *Trogoderma granarium*
 effects on ovarian development of 1156
 effects on spermatogenesis of 610
- 1,3,5-Triazine-2,4,6-triamine, *N,N,N',N',N'',N''*-hexamethyl- (see Hemel)
- 1,3,5-Triazine, 2,4,6-tris(1-aziridinyl)- (see Tretamine)
- 1*H*-1,2,4-Triazol-3-amine (see Aminotriazole)
- Triazophos** (*O,O*-diethyl *O*-(1-phenyl-1*H*-1,2,4-triazol-3-yl) phosphorothioate)
 against
Bucculatrix thurberiella, on cotton 2988
Crocidolomia binotalis, on cabbage 730
Cydia pomonella, on apple 6110
Delia coarctata, on wheat 7586
Euxoa messoria, on tobacco 6798
Hylemya antiqua, on onion 2652
H. brassicae, on brussels sprouts 2651
H. platura, on *Phaseolus vulgaris* 3951
Lasioderma serricorne 1547
Meligethes aeneus, on rape 1663
Ophiomyia phaseoli, on *Phaseolus vulgaris* 729
Oscinella frit, on maize 3583
Plutella xylostella, on cabbage 730
Scirtothrips aurantii, on *Citrus* 5955
Tipula spp. 7588
 in apple, residues of 6110
 with DDT, against, *Heliothis armigera*, on cotton 2558
- Tribasic copper sulfate** (see Copper hydroxide sulfate ($\text{Cu}_4(\text{OH})_6(\text{SO}_4)_3$), monohydrate)
- tribolii, Acarophenax**
- Tribolium**
 control of
 insecticides for 6245, 6276
 protective atmospheres for 6260
 in *Ephestia kuehniella* nests 4712
- Tribolium contd.**
 in packaging materials, damage caused by 3261
 in stored wheat, in Chile 6245
 preyed on by, Staphylinidae 1219
- Tribolium audax**
 in stored wheat, effects of dockage on 5054
 in wheat flour, effects on bread of 1556
- Tribolium brevicornis**, in wheat flour, effects on bread of 1556
- Tribolium castaneum**
Bacillus thuringiensis in, dispersal of 5729
 behaviour in, effects of light on 3782
 γ -BHC resistance in
 in UK 5177
 testing for 1207
 bromomethane resistance in, testing for 2543
 cannibalism in, induced by phenylthiourea 1019
 chemoperception in 5292
 climatic plasticity of 6236
 control of 1557
 activated vermiculite for 5764
 antifeedants for 1552
 fumigants for 3101, 4434, 4443
 genetic 6255
 growth regulators for 5768, 7082
 inert atmospheres for 2169, 2656, 7444, 7456
 inert dusts for - 5709
 insecticides for 448-449, 1025-1026, 1030, 1037, 2226, 2291, 3089, 3796, 5046, 5052, 5188, 5708, 5798, 6295, 6864
 γ -irradiation for 1952, 3792, 6243
 JH mimics for 3102
 mineral oils ineffective for 3891
 plant extracts for 5057
 repellents for 1552
 tricalcium phosphate for 1548
- DDT resistance in
 in Philippines 1025
 release of susceptible insects to counter 6255
- development in
 effects of CO_2 on 5346
 effects of infrasound on 1192
 effects of prey availability on 3407
 extracts of
 repellent for
Callosobruchus chinensis 3095
Tribolium castaneum 3095
Farinocystis tribolii in, infectivity of 5079
 fatty acids in, gustatory and olfactory responses to 3266
 fecundity in
 effects of CO_2 on 5346
 effects of female age on 6313

Tribolium castaneum contd.

- fenitrothion in, effects on behaviour of 6253
- food preferences of 6227, 7458
- fungi in 6227
- genetics of 5312
- in Australia 1557, 6288
- in Colombia 1548
- in India 1562, 2181, 4437, 5046–5047, 5399, 6274
- in Italy 2656
- in Malaysia 6295
- in Nigeria 4427
- in Philippines 1025
- in Switzerland 7082
- in UK 5177
- in USA 441, 1548, 1673, 3089, 5709
- in West Germany 2353
- in Yugoslavia 449, 5718
- in composite cans, resistance to 4431
- in CSM 1548
- in dried fish, in Nigeria 4427
- in flour
 - activity of 4729
 - development of 608
- in flour mills, in India 1562
- in granaries, in Yugoslavia 449
- in gur, in Haryana 2181
- in lasagna macaroni, development of 7462
- in lasagna noodles, development of 7462
- in milk powder 7458
 - development of 7459
- in packaging materials
 - damage caused by 3261
 - penetration by 6291
 - resistance to 454
- in rape seeds, development of 6323
- in sesame flour, varietal preferences of 1567
- in stored grain, in Victoria 1557
- in stored groundnuts 3834
- in stored maize 5050
 - interactions of other pests and 3784
- in stored mushrooms, in India 5399
- in stored products, in USA 3089
- in stored rice 5050
 - in Louisiana 1673
 - in Malaysia 6295
 - in Texas 1673
- in stored wheat 5050
 - damage caused by 4437
 - effects of dockage on 5054
 - effects of non-uniform insecticides on 6864
 - in Italy 2656
 - in Kansas 5709
 - in Uttar Pradesh 4437
 - varietal preferences of 4437
- in sunflower seeds
 - development of 6323
 - in Yugoslavia 5718

Tribolium castaneum contd.

- in wheat flour 1565, 3095, 7458
 - effects on bread of 1556
 - extraction of 657
- insecticide resistance in 1532
- insecticide susceptibility in
 - effects of diet on 1025–1026
 - effects of fluctuating temperature on 1030
 - effects of temperature on 5188
- larval development in, effects of pigment from *Fusarium*-infected foodgrains on 4436
- life-span in
 - effects of CO₂ on 5346
 - effects of X-irradiation on 4685
- malathion in, effects on behaviour of 6253
- malathion resistance in 6249
 - in Delhi 5046–5047
 - in India 6274
 - in Louisiana 1673
 - in Malaysia 6295
 - in New South Wales 6288
 - in Texas 1673
 - in UK 5177
 - testing for 1207
- melanotic stink gland mutant of 608
- methoprene in, effects of 6275
- microflora in 1565
- Nosema oryzaephili* in, pathogenicity of 184
- N. whitei* in, pathogenicity of 184
- nutrition of 6496
- oviposition in
 - effects of age on 3454–3455
 - effects of female age on 6313
 - effects of temperature on 4104
- phenylthiourea in, toxicity of 1019
- phosphine resistance in
 - development of 6923
 - testing for 2543
- population density of 5718
- population dynamics of 6287
- predatory behaviour in, effects of diet on 3087
- preyed on by, *Xylocoris flavipes*, and biological control using 3834
- preying on
 - Ephestia cautella*, in Florida 441
 - Lasioderma serricorne* 4433
 - Oryzaephilus surinamensis* 3087, 4433
 - Plodia interpunctella* 3407
 - Rhyzopertha dominica* 4433
 - Stegobium paniceum* 4433
- pupae of, variation in weight of 5892
- senescence in 1151
- sterilisation of, chemosterilants for 616
- survival in, effects of starvation on 5322
- taxonomy of, characters distinguishing *T. confusum* and 2353

***Tribolium castaneum* contd.**

tepa in

effects on sperm of 2466

toxicity of 616

Tribolium confusum*Adelina tribolii* in, in Yugoslavia 4485*Bacillus thuringiensis* in, dispersal of 5729 γ -BHC resistance in, testing for 1207

bromomethane resistance in, testing for 2543

control of

fumigants for 933, 1046, 1536, 4442, 5049, 5705, 6309

growth regulators for 5053

inert atmospheres for 2656, 7444

insecticides for 448-449, 3796, 5708, 6858, 7655

 γ -irradiation for 3792, 6243

microwave irradiation for 6860

repellents for 3930

development in

effects of dietary ribonucleic acids and nucleotides on 5246

effects of infrasound on 1192

effects of γ -irradiation on 7098

digestive enzymes in, effects of

antifeedants on 2399

egg-hatch in, effects of γ -irradiation on 7098emergence in, effects of γ -irradiation on 7098*Farinocystis tribolii* in, in Yugoslavia 4485

food preferences of 7458

genetics of 5312

in Australia 6288

in East Germany 6309

in Egypt 451

in Italy 2656

in Portugal 1535-1536

in Turkey 6858

in USA 4683

in West Germany 2353

in Yugoslavia 449, 4485

in composite cans, resistance to 4431

in flour, development of 608

in flour mills

in Egypt 451

in Portugal 1535-1536

in granaries, in Yugoslavia 449

in lasagna macaroni, development of 7462

in lasagna noodles, development of 7462

in milk powder 7458

development of 7459

in mills, in Yugoslavia 4485

in packaging materials, penetration by 6291

in stored wheat

effects of dockage on 5054

in East Germany 6309

***Tribolium confusum* contd.**

in stored wheat contd.

in Italy 2656

in wheat flour 7458

effects on bread of 1556

insecticide resistance in 1532

life-span in, effects of X-irradiation on 4685

malathion resistance in 6249

in New South Wales 6288

testing for 1207

melanotic stink gland mutant of 608

mutants of 4683

Nosema whitei in, in Yugoslavia 4485phosphine in, role of CO₂ in toxicity of 1665

phosphine resistance in, testing for 2543

seasonal abundance of 451

sex pheromone of, components of 1777

taxonomy of, characters distinguishing *T. castaneum* and 2353***Tribolium destructor***control of, γ -irradiation for 5316development in, effects of γ -irradiation on 5316

food preferences of 6305

Hymenolepis nana in 6305

in Denmark 6237

in USSR 6305

in dwellings, in Denmark 6237

in foodstuffs, in USSR 6305

in wheat flour, effects on bread of 1556

life-span in, effects of γ -irradiation on 5316

oviposition in, preferred substrates for 6305

Tribolium ferrugineum* auct. (see *T. castaneum*)**Tribolium madens*, in wheat flour, effects on bread of 1556*****Tribulus alatus*, *Schistocerca americana* on, in Rajasthan 1258*****Tribulus terrestris*, *Schistocerca americana* on, development of 1258****Tricarboxylic acid cycle**in *Caloglyphus berlesaei*, malonate

inhibition of 6239

in insect flight muscles 587

in *Tyrophagus putrescentiae*, malonate inhibition of 6239***tricarinatus*, *Tricees*, (*Chorinaeus*)*****Trichiocampus irregularis***on *Salix* 910*Thelohania pristiphorae* in, infectivity of 910***Trichiocampus viminalis***on *Populus nigra* 910*Thelohania pristiphorae* in, infectivity of 910**Trichlorfon (see Trichlorphon)**

Trichlormetaphos-3 (see Phosphorothioic acid, *O*-ethyl *O*-methyl *O*-(2,4,5-trichlorophenyl) ester)

Trichloronate (*O*-ethyl *O*-(2,4,5-trichlorophenyl) ethylphosphonothioate) against

- Agriotes* spp., on sugar-beet 2663
- A. obscurus*, in grassland 300
- Cosmopolites sordidus* 684
- Delia brassicae* 2041
 - on cabbage 4933
- Hylemya* spp., on cabbage 1615
- H. antiqua*, on onion 2652
- H. brassicae* 3307
 - on brussels sprouts 2651
 - on cabbage 351, 2918
 - on horse-radish 3308
- H. floralis* 3307
 - on horse-radish 3308
- H. platura*, on *Phaseolus vulgaris* 2653
- Hyperodes bonariensis*, on *Lolium* 3186
- Oscinella frit*, on maize 1612
- Psila rosae*, on carrot 2957
- in carrot, residues of 2957
- in earthworms, toxicity of 300
- in grassland, non-target effects of 300
- in horse-radish, residues of 3308
- in *Lachnosterna patrueloides*, increasing susceptibility to *Metarhizium anisopliae* 474
- in *Lachnosterna plagi*, increasing susceptibility to *Metarhizium anisopliae* 474
- in soil, residues of 2957
- in swede, residues of 3307
- resistance to, in, *Hylemya brassicae*, in France 4518
- with herbicides, against, *Hylemya* spp., on cabbage 1615

Trichlorphon (dimethyl (2,2,2-trichloro-1-hydroxyethyl)phosphonate) against

- Acanthoscelides obtectus*, in stored seeds 453
- Acyrtosiphon pisum*
 - on lucerne 6707
 - on pea 6774
- Adelphocoris lineolatus*, on lucerne 6081, 6707
- Aelia* spp., on wheat 1940
- A. acuminata*, on grasses 6701
- Agrotis* spp., on maize 1341
- A. exclamatoris* 375
- A. ipsilon*, on Chinese cabbage 4095
- A. segetum* 375
 - on potato 2965
- aphids
 - on apple 325
 - on tobacco 7399
- Aporia crataegi* 5551
- Bruchophagus roddi*, on lucerne 6084

Trichlorphon *contd.*
against *contd.*

- Callosobruchus maculatus*, in stored *Vigna unguiculata* 5067
- Cecidomyiidae, on lucerne 1986
- Cerconota anonella*, on soursop 4997
- Chilo infuscatellus*, on sugar-cane 6667
- C. partellus*, on maize 4840
- Cnephasia pasiuana* 271
- Coccus viridis*, on coffee 403
- Cosmopolites sordidus* 684
- Cydia nigricana* 1676
 - on pea 5605
- C. pomonella*
 - on apple 5444, 5556, 6020, 6104, 6107, 6727, 7315
 - on pear 5556
- C. pyrivora*, on pear 6118
- Delia brassicae*, on cabbage 6765
- D. floralis*, on cabbage 6765
- Eupterote canaraica*, on coffee 3020
- Eurygaster* spp. 6671
 - on wheat 1940
- E. integriceps*
 - on grain crops 1347
 - on wheat 5752, 7235
- Euxoa messoria*, on tobacco 6798
- Exoteleia dodecella*, on *Pinus* 7420
- Galleria mellonella* 517
 - in beehives 2260
- Gargaphia* spp., on oil palm 3615
- Glyphipterix simplicella*, on *Festuca* 6700
- Hadena sordida* 1346
- Haplothrips tritici*, on wheat 7237
- Heliothis* spp., on lucerne 1986
- H. armigera*, on *Trifolium* 7282
- Hylobius pales* 1664
- Hypera* spp., on lucerne 1986
- Hyphantria cunea* 5980
- Lacanobia oleracea* 1598
- Lachnosterna nilgiria*, on coffee 2105
- Lambdina athasaria*, on *Tsuga canadensis* 3764
- Lasioderma serricorne* 1547
- Latoia bicolor*, on rice 6691
- Lepidoptera
 - on lettuce 6759
 - on sugar-cane 816
- Leptinotarsa decemlineata*, on potato 5629, 6784, 7377, 7380
- Leptopterna dolabrata*, on grasses 6701
- Leucoma salicis*, on *Populus* 6817
- Lipaphis erysimi*, on mustard 4545
- Lobesia botrana*, on grapevine 313, 315, 6094, 6713
- Lygus lineolaris*
 - on apple 4314
 - on celery 7527
 - on potato 7527

Trichlorphon contd.

against contd.

- Lymantria dispar* 6204
on *Quercus* 3070
Mamestra brassicae 6758
on Chinese cabbage 4095
Margaritia sticticalis 5402
Monopis leuconeurella, on mango 3643
Mythimna separata
on barley 3188
on maize 3188
M. unipuncta 6663
on maize 5486
Neodiprion tsugae 520
Onopocera spp., in pastures 2832
Operophtera brumata, on apple 2875
Ophiomyia phaseoli, on *Vicia faba* 1448
Oscinella frit 7230
on oats 5488
Ostrinia nubilalis, on maize 2795, 5505
Oulema melanopus 272
on wheat 1941
Peridroma saucia, on *Capsicum* 511
Phalera bucephala, on *Betula* 5677
Pieris brassicae 6758
on cabbage 6765
P. rapae 6758
Plodia interpunctella 2166
Plusia argentifera 6957
Plutella xylostella 6758
on cabbage 6765
on cauliflower 2044
Pristiphora abietina, on *Picea abies* 1525
Recurvaria nanella 6099
Rhyacionia frustrana, on *Pinus radiata* 3040
Rhynchophorus ferrugineus, on coconut 6089
Rhyzopertha dominica 1669
Salina celebensis, on cacao 903
Saperda carcharias, on *Populus* 2264
Scapteriscus spp. 1868
Spodoptera frugiperda, on maize 4838
S. littoralis 1637, 5182
S. litura, on Chinese cabbage 4095
Strepsicrates rorthia 2034
Tephрина arenacearia, on lucerne 1986
Thrips tabaci, on tobacco 7399
Zeiraphera diniana, on *Picea abies* 1525
in *Achaea janata*, increasing excretion and water loss 3893
in *Aedes aegypti*, bioassay for 5381
in *Anystis baccarum*, toxicity of 6418
in apple orchards, non-target effects of 5444
in cabbage, residues of 6765
in cotton, residues of 3917

Trichlorphon contd.

- in *Euderus caudatus*, toxicity of 2264
in honey bees, toxicity of 517
in *Leptinotarsa decemlineata*, effects of food-plant on susceptibility to 5875
in rat, toxicity of 2297
in soil, degradation of 3923
in stored grain, persistence of 6859
in tomato, residues of 3917
in *Trifolium*, residues of 3917
resistance to, in
Eurygaster integriceps, dynamics of 998
Spodoptera littoralis, in Egypt 5181
Wiseana cervinata, testing for 2280
W. despecta, testing for 2280
technical, attraction of *Hylobius abietis* to 5280
with azinphos-methyl, against, *Keiferia lycopersicella*, on tomato 882
with *Bacillus thuringiensis*
against
Adelphocoris lineolatus, on lucerne 6081
Cydia pomonella, on apple 6020, 6107
Hyphantria cunea 5980
Lobesia botrana, on grapevine 6094
Mamestra brassicae, on cabbage 7343
Pieris brassicae, on cabbage 7343
Spodoptera littoralis 961, 1637
Tortrix viridana 7422
with *Beauveria bassiana*
against
Mamestra brassicae, on cabbage 7343
Pieris brassicae, on cabbage 7343
with γ -BHC, against, *Rhyzopertha dominica* 1669
with carbaryl, against, *Rhyzopertha dominica* 1669
with chlordimeform, against, *Heliothis virescens* 6399
with dichlorvos, against, *Rhyzopertha dominica* 1669
with dimethoate
against
Cecidomyopsis ribis, on black currant 1395
Cydia nigricana, on pea 5605
Lacanobia oleracea 1598
with iodofenphos, against, *Rhyzopertha dominica* 1669
with malathion, against, *Rhyzopertha dominica* 1669
with methyl-parathion
against
Margaritia sticticalis 5402
Mythimna unipuncta, on maize 5486

Trichlorphon contd.

with molasses
against

Agriotes spp. 152

Noctuidae 152

with tetrachlorvinphos, against,

Rhyzopertha dominica 1669

Trichoderma harzianum, aldicarb in,
metabolism of 6420

Trichoderma viride, in, stored wheat, effects
on pests of 1560

Trichodesma amplexicaule, *Dysdercus*
cingulatus on, in Maharashtra 4818,
7215

Trichodesma incanum

Dictyla nassata on, in Uzbekistan 7212

Longitarsus exoletus on, in Uzbekistan
7212

Meligethes schilskyi on, in Uzbekistan
7212

Trichogaster pectoralis

in rice-fields, in Malaysia 1693

insecticides in, toxicity of 1693

Trichogramma

antennal sensilla in 6454

biological control using 6621

insecticides in, toxicity of 783, 2811

kairomones for increasing parasitism by
4505–4506

parasitising

Achroia grisella 251

Agrotis ipsilon, and biological control
using, in Bulgaria 2077

A. segetum, and biological control
using, in USSR 3854, 3856

Cryptophlebia leucotreta, in Uganda
2084

Cydia funebrana, and biological control
using 6918

C. pomonella

and biological control using 6918
in Bulgaria 7539

Dendrolimus punctatus, in Vietnam
3740

Diatraea spp. 251

Ephestia kuehniella 2571

Galleria mellonella 251

Heliothis spp., and biological control
using, in Mexico 385

H. armigera, and biological control
using, in Bulgaria 2077

H. assulta, in South Korea 4354

H. subflexa, in Mexico 783

H. virescens

and biological control using, in Peru
695

in Mexico 783

H. zea 4505–4506

Lepidoptera, and biological control
using, in Moldavia 5745

Trichogramma contd.

parasitising contd.

Mamestra brassicae

and biological control using

in Moldavia 7340

in Ukraine 7343

in USSR 3854, 3856

in Caucasus 6767

in Japan 870

Margaritita sticticalis, and biological

control using, in Ukraine 5402

pests of cotton 6182

Pherbina intermedia, in Japan 3846

Pieris brassicae

and biological control using, in

Ukraine 7343

in Caucasus 6767

P. rapae, in Caucasus 6767

Quercusia quercus, in England 3035

rice stem-borers, in Japan 3846

Sepedon plumbellus, in Japan 3846

S. spegheus, in Japan 3846

Sitotroga cerealella 128, 6637

Zeiraphera diniana, and biological

control using, in Switzerland 2157

rearing of, techniques for 251, 6621

taxonomy of, characters for 6454

Trichogramma achaeae

in India 1882

kairomones for increasing parasitism by
4505–4506

parasitising

Agrius convolvuli, in Karnataka 1882

Anticarsia gemmatalis 4505

Heliothis zea 4505–4506

Trichogramma agriae

in India 1882

parasitising, *Agrius convolvuli*, in
Karnataka 1882

Trichogramma australicum

in India 1882

parasitising

Agrius convolvuli, in Karnataka 1882

Chilo spp., in Karnataka 1882

C. sacchariphagus, and biological
control using, in Tamil Nadu 814

Trichogramma brasiliensis

antennal sensilla in 6454

parasitising

Earias insulana, and biological control
using, in Haryana 2095

Ephestia kuehniella 1305

Pectinophora gossypiella

and biological control using

in Mexico 385

in Haryana 2095

Trichogramma cacoeciae

Bacillus thuringiensis in, not pathogenic
6328

fungicides in

effects of 1603

toxicity of 3910

***Trichogramma cacoeciae* contd.**

parasitising, *Sitotroga cerealella* 1603,
3910, 6328

Trichogramma cacoeciae pallida* (see *T. pallidum*)**Trichogramma embryophagum***

in Bulgaria 3545
parasitising

Cydia pomonella, and biological control
using, in Bulgaria 2864, 3622, 3624

Euproctis similis, in Bulgaria 3545

leafrollers, and biological control using,
in Bulgaria 2864

Trichogramma evanescens

antennal sensilla in 6454

biology of 4221, 5444

in Bulgaria 7189

in USSR 5444

in apple orchards, effects of insecticides
on 5444

kairomones for 191

parasitising

Cydia pomonella

and biological control using, in
Bulgaria 2864, 3622

in Crimea 5444

Ephesia kuehniella 1305, 4221, 5502,
6678

Heliothis zea 191

leafrollers, and biological control using,
in Bulgaria 2864

Mamestra brassicae

and biological control using, in
Poland 2919

in Bulgaria 7189

Noctuidae, and biological control using,
in USSR 6620

Ostrinia nubilalis

and biological control using

in France 5502

in Switzerland 6678

Petrova resinella 5453

Pieris spp., and biological control using,
in Poland 2919

Rhyacionia buoliana, and biological
control using, in USSR 5453

Sitotroga cerealella 5444

Trichogramma japonicum

in Hong Kong 2809

in India 5512

parasitising

Scirpophaga incertulas

in Hong Kong 2809

in Orissa 5512

Trichogramma maltbyi*, antennal sensilla in 6454**Trichogramma minutum***

in USA 7317

parasitising, *Cydia pomonella*, in Oregon
7317

taxonomy of 5843

Trichogramma nubilale

sp. nov., description of 2724

biology of 2724

in USA 2724

parasitising, *Ostrinia nubilalis*, in
Delaware 2724

Trichogramma pallidum

biology of 2587, 5444

in USSR 2587, 5444

in apple orchards, effects of insecticides
on 5444

parasitising

Cydia pomonella

and biological control using, in
Bulgaria 2864, 3622, 3624

in Crimea 5444

leafrollers, and biological control using,
in Bulgaria 2864

Sitotroga cerealella 5444

Trichogramma parkeri

sp. nov., description of 5843

in USA 5843

parasitising, *Heliothis zea*, in Missouri
5843

Trichogramma platneri

sp. nov., description of 5843

in USA 5843

parasitising, *Cydia pomonella*, in
California 5843

Trichogramma pretiosum

in USA 7522

kairomones for increasing parasitism by
4506

methyl-parathion in, toxicity of 3698
parasitising

Galleria mellonella 3508

Heliothis spp., and biological control
using, in Western Australia 7522

H. virescens, and biological control
using, in Texas 3698

H. zea 4506

and biological control using, in Texas
3698

Sitotroga cerealella 7522

Trichoplusia ni 135, 1196, 1223

rearing of, techniques for 135, 1223

Trichogramma semblidis

in Poland 1300

parasitising

Hylesinus crenatus, in Poland 1300

Leperisus fraxini, in Poland 1300

L. orni, in Poland 1300

Trichogrammatidae, parasitising, *Cydia*
anaranjada, in USA 911

Trichogrammatoidea lutea

in Ivory Coast 1237

in South Africa 6139

in orange groves, effects of pesticides on
6139

parasitising

Anomis leona, in Ivory Coast 1237

- Trichogrammatoidea lutea* contd.**
 parasitising contd.
Cryptophlebia leucotreta, in South Africa 6139
Earias biplaga, in Ivory Coast 1237
Ephestia kuehniella 1237
 rearing of, techniques for 1237
- Trichogrammatoidea nana***
 biology of 252
 in Malaysia 252
 parasitising
Chilo sacchariphagus, in West Malaysia 252
Corcyra cephalonica 252
Eucosma isogramma, in West Malaysia 252
- Trichomalopsis shirakii***
 in Japan 2812
 parasitising, *Oulema oryzae*, in Ishikawa Prefecture 2812
- Trichomalus perfectus***
 in Poland 1479
 parasitising, *Ceutorhynchus assimilis*, in Poland 1479
- Trichomasthus albianus***
 in Turkey 1427
 parasitising
Coccus hesperidum, in Turkey 1427
C. pseudomagnoliarum, in Turkey 1427
- Trichomasthus xenomanes***
 sp. nov., description of 550
 in USSR 550
 parasitising, *Acanthococcus sasae*, in Kurile Islands 550
- Trichomma***, taxonomy of, revision of 5449
- Trichomma decorum***
 descriptions of 5449
 hosts of 5449
 in India 5449
- Trichomma dioryctri***
 sp. n., description of 5449
 in India 5449
 parasitising
Dioryctria abietella, in India 5449
Eucosma pylonitis, in India 5449
- Trichomma enecator***
 biology of 6107
 in Austria 3252
 in USSR 6107
 parasitising
Cydia pomonella
 in Austria 3252
 in Ukraine 6107
- Trichomma nigricans***
 descriptions of 5449
 hosts of 5449
 in India 5449
- Trichonotus***, parasitising, *Tortrix viridana*, in Russian Republic 6832
- Trichophaga tapetzella***
 control of 4425
- Trichophaga tapetzella* contd.**
 in West Germany 5698
 in textiles, in West Germany 5698
 life history of 4425
- Trichophyton***
 in, *Drosophila melanogaster*, pathogenicity of 227
 insecticidal activity of 227
- Trichoplusia***, on cotton, in Venezuela 2091
- Trichoplusia ni***
 antennal humidity receptors in 2432
 attractants for 4045
Bacillus cereus in, pathogenicity of 2235
B. thuringiensis in
 bioassay of 2120
 pathogenicity of 7466
 biology of 2915
 carbon dioxide output in, effects of light on 575
 cell cultures from, media for 3817
 control of
Bacillus thuringiensis for 463, 1441
 genetic 1783
 insecticides for 463, 1441, 4558, 4932
 viral formulations for 463
 courtship behaviour in, effects of scent-organ removal on 6485
 cytoplasmic polyhedrosis virus in 2204
 in California 472
 dark body colour mutant of 1783
 Dark mutant of 3443
 development in 3443
 effects of parasitism on 3652
 effects of temperature on 4134
Entomophthora spp. in, in South Carolina 3822
 fat-body in, effects of parasitism on 7191
 fecundity in, effects of γ -irradiation on 612
 feeding behaviour in 2936
 fertility in, effects of γ -irradiation on 612
 flight activity in 2505
 food consumption in, effects of parasitism on 2733
 granulosis virus in
 biological control with 463
 enzyme synergist for 2240
 in California 472
 hemolymph of, inducing germination of *Bacillus popilliae* spores 3818
 in Canada 463
 in India 857, 4932
 in USA 110, 142, 388, 472, 898, 1441, 1783, 2056, 2415, 2915, 3654, 3822, 4045, 4558, 6780
 life-span in 3443
 lipids in, synthesis of 3393
 mating competitiveness in 1783
 mating in, effects of light on 575
 metabolism in, differences between and within instars of 6482

***Trichoplusia ni* contd.**

Microsporidia in 948-949

Nomuraea rileyi in

and biological control using, in

Missouri 6780

in Missouri 2056

in South Carolina 3822

pathogenicity of 3823, 7487

Nosema necatrix in, development of infection with 2222

nuclear polyhedrosis virus in 960

activated by UV-irradiation 1587

biological control with 463

control of 2204

enzyme synergist for 2240

in California 388, 472

in South Carolina 3822

infectivity of 6333, 7494

effects of parasitism on 479

morphology of 4468

pathogenicity of 478, 2235, 6346

propagation of 3817

relation of parasites and 2200

replication of 4467

specificity of 7489

ocellus in, electroretinogram of 1765

on cabbage

in Florida 4045

in New York 3654

in Ontario 463

in Rajasthan 857, 4932

in South Carolina 1441

resistance to 3654

on cauliflower

in New York 3654

resistance to 3654

on cotton 1196

damage caused by 898

in California 388, 898

on crucifers, in North Carolina 2915

on lettuce, in New York 4558

on lucerne, in California 472

on soy bean

damage caused by 2936

in Missouri 2056, 6780

in South Carolina 3822

parasites of

in California 388

relation of nuclear polyhedrosis virus

and 2200

parasitised by

Archytas californiae 3621*Banchus flavescens*, defence mechanisms against 5273*Copidosoma truncatellum* 190*Hyposoter exiguae* 479, 788, 2200, 2710, 3652, 7191*Litomastix truncatella* 2521, 2733*Trichogramma pretiosum* 135, 1196, 1223*Voria ruralis* 2451***Trichoplusia ni* contd.**

physiological age of, effects on parasites of 2710

population dynamics of 110, 388

predators of, in California 388

preyed on by, *Chrysopa lanata* 780

pupation in, effects of parasitism on 788

rearing of

apparatus for 4170

diets for 4170

fungal contamination of media for 3282

techniques for 4175

ribonucleic acids in 3393

seasonal abundance of, in Rajasthan 857

sex pheromone of 131

habituation to 3399

hydrolysis in antennae of 2409

inhibitors of response to 2415

orientation of males to 5279

TEPP in, effects on ocellus responses of 1765

traps for 110, 131, 142, 4701

visual responses in, effects of γ -irradiation on 612

yellow eyed mutant of 612

Trichoplusia oxygramma

attractants for 4045

in USA 2415, 4045

on soy bean, in Florida 4045

sex pheromone of, inhibitors of response to 2415

Trichoplusia vittata

food-plants of 3980

in Réunion 3980

taxonomy of, *Plusia transfixa* as synonym of 3980***Trichopoda pennipes***

in USA 7187

parasitising

Acrosternum hilare, in Georgia (USA) 7187*Euschistus servus*, in Georgia (USA) 7187*Nezara viridula*, in Georgia (USA) 7187***Trichopoda pennipes pilipes***

oviposition in 5446

parasitising, *Nezara viridula* 5446***Trichoporus formosa* (see *Encarsia*)*****trichops*, *Phygadeuon****Trichoptera*, traps for 4168*Trichosanthes dioica*, *Apomecyna saltator* on, in Gujarat 7344*Trichospilus*, keys to 5450***Trichospilus boops***

sp. nov., description of 5450

in Kenya 5450

***Trichospilus diatraeae* 5450**

biology of 249

in Réunion 4801

***Trichospilus diatraeae* contd.**

parasitising

Chilo sacchariphagus, and biological

control using, in Réunion 249

Ephestia kuehniella 4024*Galleria mellonella* 249*Hedylepta indicata*, in Réunion 4801

Noctuidae, and biological control using,

in Malagasy Republic 4024

Sesamia calamistis, and biological

control using, in Réunion 249

reproduction in 4024

Trichospilus ferrierei

sp. nov., description of 5450

in Uganda 5450

Trichospilus pupivora* 5450**Trichospilus vorax***

sp. nov., description of 5450

in Angola 5450

in Ivory Coast 5450

in Kenya 5450

in Uganda 5450

***Trichosporium tingens*, in, *Pinus* spp., in**

Poland 5006

***Trichurus spiralis*, in, timber, effects on**

termites of 7210

Triclistus*, parasitising, *Zeiraphera diniana

1294

Triclistus curator* (see *Hypsicera*)**Triclistus podagricus***

development in 1896

in Switzerland 1896

overwintering in 1896

parasitising, *Zeiraphera diniana*, in

Switzerland 1896

Triclistus pygmaeus

biology of 2255

development in 1896

in Switzerland 1896, 2255

overwintering in 1896

parasitising, *Zeiraphera diniana*, in

Switzerland 1896, 2255

tricolor*, *Chlaenius***tricolor*, *Geocoris******tricolor*, *Paracinetia******tricoloricornis*, *Microterys******Tricosane***attractant for, *Trichogramma evanescens*

191

for increasing parasitism by

Trichogramma 4505-4506in *Heliothis zea* 191in *Solenopsis invicta* cuticle 4200in *Solenopsis richteri* cuticle 4200***Tricosane*, 3-methyl-**in *Solenopsis invicta* cuticle 4200in *Solenopsis richteri* cuticle 4200**9-Tricosene, (Z)- (see *Muscalure*)*****tricotata*, *Eleodes*****7,11-Tridecadien-1-ol, acetate, (Z,Z)-,**attractant for, *Phthorimaea operculella*

2973

Tridecane*, in *Vitellus insularis* defensive secretion 583**Tridecanoic acid***attractant for, *Tribolium castaneum* 3266in *Anastrepha suspensa*, effects of age on

5310

9-Tridecyn-1-ol, acetate, inhibitor of *Adoxophyes orana* response to sex pheromone 1069***Tridemorph* (2,6-dimethyl-4-tridecylmorpholine)**

in entomopathogenic fungi, effects of 4533

tridens*, *Harpalus***tridens*, *Ips******Tricees tricarinatus***

in USSR 6818

parasitising, *Yponomeuta rorellus*, in

Ukraine 6818

trifasciatus*, *Danothrips***Trifluralin* (2,6-dinitro-N,N-dipropyl-4-(trifluoromethyl)benzenamine)**

with insecticides 3327

trifolii*, *Apion***trifolii*, *Discestra*, (*Scotogramma*)*****trifolii*, *Liriomyza******trifolii*, *Therioaphis******Trifolium****Acyrtosiphon pisum* on, in Switzerland 5740*Agrotis ipsilon* on

in Japan 113

in New Zealand 3515

A. segetum on, in Iran 1340

arthropods associated with, traps for 1635

Autographa gamma on, in Egypt 4182

DDT in, residues of 1050, 5210

dichlorvos in, residues of 3917

Graphognathus leucoloma on, in New Zealand 3605*Heliothis armigera* on, in Iran 1931*Hypera brunneipennis* on, in California 3604*H. meles* on, species preferences of 1380*Loxostege* spp. on, in North America 7032*Margaritita sticticalis* on, in Ukraine 5402

pest control on, in Wyoming 2259

Plathypena scabra on, in Iowa 1916*Sitona* spp. on, in Iran 5842*Spodoptera littoralis* on, development of 5254*Syngrapha circumflexa* on, in Egypt 4182

toxaphene in, residues of 1050

trichlorphon in, residues of 3917

Trifolium alexandrinum*Acrida bicolor* on, colour development in 2689

aphids on, in Egypt 3602-3603

Coleoptera on, in Egypt 3603

***Trifolium alexandrinum* contd.**

Diptera on, in Egypt 3603

Euproctis fraterna on

feeding preferences of 4653

in Punjab 4653

Heliothis armigera on, in Punjab 7282*Lachnosterna consanguinea* on, in

Rajasthan 999

Sitona crinitus on, in Egypt 4299*S. lividipes* on, in Egypt 1371, 4299,
4886*Spodoptera littoralis* on, in Egypt 5506***Trifolium fragiferum*, *Hypera meles* on,**

feeding by 1380

Trifolium hybridum*, *Acyrtosiphon pisum

on, resistance to 2835

Trifolium incarnatum*Agallia constricta* on 6543*Agalliopsis novella* on 6543*Heliothis* spp. on, in South Carolina
3512*Hypera meles* on

feeding by 1380

resistance to 4297

***Trifolium lappaceum*, *Hypera meles* on,**

feeding by 1380

***Trifolium nigrescens*, *Hypera meles* on,**

feeding by 1380

Trifolium pratense*Acyrtosiphon pisum* on 1180, 2924

in East Germany 2359

resistance to 2835

Apion spp. on, in Europe 841*A. apricans* on

in East Germany 4298

in Poland 6769

in Romania 842-843

in USSR 6013

A. trifolii on

in East Germany 4298

in Romania 842-843

A. virens on, in East Germany 4298 γ -BHC in, residues of 1050

Bombinae on, as pollinator 3550

Bruchophagus platypterus on, in Chile
690*Ceresa bubalus* on, in Italy 1384cucumber mosaic virus in, in Yugoslavia
5069

DDT in, residues of 1050

Epinotia spp. on, in Chile 690*Heliothis* spp. on, in Chile 690*Hylastinus obscurus* on

in Chile 1379

in Switzerland 3608

Hypera meles on, feeding by 1380*Macrosiphum euphorbiae* on, in East
Germany 2359

pests of, in Romania 1980

Porphyrosela minuta on, in Chile 690*Rachiplusia nu* on, in Chile 690*Sitona* spp. on, in Yugoslavia 5526***Trifolium pratense* contd.***Sitona* contd.*S. crinitus* on, in Egypt 4299*S. lividipes* on, in Egypt 4299*Subcoccinella vigintiquatuorpunctata* on
6083***Trifolium pratense* (stored seeds), mites in,**
in USSR 6322***Trifolium repens****Acyrtosiphon pisum* on, resistance to
2835*Atrachya menetriesii* on, in Japan 839*Aulacorthum solani* on, development of
618

clover phyllody, causal agent in,

infectivity of 3607

Costelytra zealandica on, development of
3601cucumber mosaic virus in, infectivity of
5069*Epiphyas postvittana* on 4900

green petal disease, causal agent in,

symptoms of 5719

groundnut stunt virus in 3120

Hypera meles on, feeding by 1380*Oxycaenus fuscomaculatus* on, in Tasmania
1366*Tetranychus urticae* on 3840***Trifolium striatum*, *Hypera meles* on,**

feeding by 1380

Trifolium subterraneum*Hypera meles* on, feeding by 1380*Sminthurus viridis* on, in South Africa
967***Trifolium vesiculosum*, *Hypera meles* on,**

feeding by 1380

**Triforine (N,N' [1,4-piperazinediylbis(2,2,2-
trichloroethylidene)]bis[formamide])**
against*Panonychus ulmi*, on apple 1609*Tetranychus urticae*, on *Phaseolus*
1609in entomopathogenic fungi, effects of
4533in *Phytoseiulus persimilis*, toxicity of
7673***trifurcata*, *Cerotoma******Trigonella****Bemisia tabaci* on, in Uttar Pradesh
4952*Sitona cylindricollis* on, resistance to
2835*Therioaphis riehi* on, resistance to
2835*Walshia miscecolorella* on, resistance to
2835***Trigonella foenum-graecum* (see Fenugreek)*****Trigonotylus coelestialium***

in Japan 2810

on rice

damage caused by 2810

in Hokkaido Prefecture 2810

- Trigonotylus ruficornis*, in Bulgaria 5374
trigonum, *Eutrombidium*
trigotephras, *Orgyia*
Trijuba, gen. nov., erected for *Saissetia*
oculata 3992
Trijuba oculata, taxonomy of, transferred
from *Saissetia* 3992
Trilophidia, radar detection of 1178
trimaculata, *Phaonia*
Trimedlure (1,1-dimethylethyl 4(or 5)-
chloro-2-methylcyclohexanecarboxylate)
attractant for, *Ceratitis capitata* 143,
2411, 2561, 3506
in fish, toxicity of 5197
in rabbit, toxicity of 5197
in rat, toxicity of 5197
in sticky-trap adhesives 3506
in traps, losses of 2561
Trimerotropis pallidipennis
in USA 6537
preyed on by, *Stizus iridis*, in Utah 6537
Trimerotropis persana
in USA 6537
preyed on by, *Stizus iridis*, in Utah 6537
Trinervitermes geminatus, water relations of
1918
Trinervitermes trinervoides
aggressive behaviour in 808
in South Africa 808
mounds of 808
trinervoides, *Trinervitermes*
Trinidad and Tobago
Acromyrmex octospinosus in, on cacao
173
Aeneolamia varia in 2768
on sugar-cane 243
Ammalo insulata in, on *Eupatorium*
1324
Anastrepha bahiensis in
on guava 2667
on *Spondias mombin* 2667
Apion brunneonigrum in, on *Eupatorium*
1325
Diatraea spp. in
natural enemies of 253
on sugar-cane 253
Elasmopalpus lignosellus in, natural
enemies of 1304
Forcipomyia fuliginosa in 5463
Psychidae in 2335
Telephila spp. in, on *Eupatorium* 1326
trinitatis, *Plagiospherysa*
Triolein (see 9-Octadecenoic acid, 1,2,3-
propanetriyl ester)
Triona oil (see Oil emulsions)
Trionymus sacchari (see *Saccharicoccus*)
Trioxys, in South Korea 3361
Trioxys angelicae
descriptions of 6624
distribution of 6624
hosts of 6624
in Poland 322
Trioxys angelicae contd.
parasitising, *Aphis pomi*, in Poland 322
Trioxys asiaticus
in USSR 386
in cotton fields, in Tadzhikistan 386
Trioxys assamensis
sp. nov., description of 7205
in India 7205
parasitising, *Betacallis querciphaga*, in
Meghalaya 7205
Trioxys basicurvus
sp. n., description of 5233
in India 5233
parasitising, *Aphis gossypii*, in Jammu
and Kashmir 5233
Trioxys brevicornis
descriptions of 6624
distribution of 6624
hosts of 6624
parasitising, aphids on *Galium* 777
Trioxys cirsii
biology of 1891
in UK 1891
parasitising, *Drepanosiphum platanoides*,
in Scotland 1891
Trioxys eutrichosiphi
sp. nov., description of 7205
in India 7205
parasitising, *Eutrichosiphum* spp., in
Meghalaya 7205
Trioxys galiobii
sp. n., description of 777
in Czechoslovakia 777
parasitising, *Galiobium langei*, in
Czechoslovakia 777
Trioxys heraclei
descriptions of 6624
distribution of 6624
hosts of 6624
in Italy 6624
parasitising, *Cavariella* spp., in Italy
6624
Trioxys indicus
descriptions of 5233
in India 5233
Trioxys pallidus
parasitising
Chromaphis juglandicola, and biological
control using, in California 1413,
3177
Panaphis juglandis 1413
Trioxys rubicola
sp. n., description of 5233
in India 5233
parasitising, *Aphis gossypii*, in Jammu
and Kashmir 5233
Trioxa
on *Ficus religiosa*
in India 5575
pit galls of 5575
Trioxa alacris
biology of 2763

- Trioza alacris* contd.**
 development in 2764
 effects of photoperiod and temperature on 2763
 in France 2763–2764
 on *Laurus nobilis*, in France 2763–2764
- Trioza apicalis***
 control of, insecticides for 7371
 in Czechoslovakia 7371
 on carrot, in Czechoslovakia 7371
- Trioza erytraeae***
 control of, insecticides for 340
 in South Africa 340, 4911
 on lemon, in South Africa 4911
 on orange, in South Africa 340
 oviposition in 4911
- Trioza jambolanae***
 in India 4916
 on *Eugenia jambolana*
 galls of 4916
 in India 4916
- Trioza urticae***
 in Norway 431
 on *Picea abies*, in Norway 431
- Triplochiton scleroxylon***
Apion anthonomoides on, in Ghana 1090
A. ghanaense on, in Ghana 1090
- Triprene** (Sethyl (2E,4E)-11-methoxy-3,7,11-trimethyl-2,4-dodecadienethioate) adopted as common name in RAE, p. 11 against
Aphis fabae, on sugar-beet 3155
Keiferia lycopersicella 382
Liriomyza sativae 3263
Macrosiphum euphorbiae, on potato 5201
Myzus persicae
 on peach 6739
 on sugar-beet 3155
Phenacoccus solani, on ornamental plants 410
Pseudococcus longispinus, on ornamental plants 410
Saissetia coffeae
 on *Aphelandra squarrosa* 3729
 on ornamental plants 410
Spodoptera littoralis 2446
 in *Apanteles dignus*, inhibiting emergence 382
 in *Apanteles scutellaris*, inhibiting emergence 382
 in *Eurygaster integriceps*, inhibiting embryonic development 3387
 in *Macrosiphum euphorbiae*, effects on parasites of 5201
 in *Opius*, effects on emergence of 3263
 in *Reticulitermes flaviceps*, effects on soldier differentiation of 806
 in *Saissetia coffeae*, effects on parasites of 3729
- Triprene contd.**
 in *Spodoptera littoralis*, morphogenetic activity of 1132
- Tripseuxoa strigata***
 biology of 5404
 descriptions of 5404
 in Uruguay 5404
- tripterus, Antiteuchus***
- Trirhabda borealis***
 in Canada 6200
 life history of 6200
 on *Solidago canadensis*, in Ontario 6200
- Trirhabda canadensis***
 in Canada 6200
 on *Solidago canadensis*, in Ontario 6200
- Trirhithrum coffeae*** (see *Ceratitis*)
- trisectus, Episyrphus***
- Trissolcus***
 in Romania 2629
 taxonomy of 6997
- Trissolcus basalis***
 in Egypt 851
 in Morocco 6352
 parasitising
Eurygaster integriceps, and biological control using, in Caucasus 6352
Nezara viridula, in Egypt 851
- Trissolcus bodkini***
 attacking behaviour in 4111
 in Colombia 4111
 oviposition in 4111
 parasitising, *Antiteuchus tripterus*, in Colombia 4111
- Trissolcus grandis***
 attraction of, by host kairomones 5284
 host-seeking behaviour in, stimulated by host extracts 2727
 hosts of, selection of 6005
 in Bulgaria 1347
 in Morocco 6005
 in Pakistan 1338
 in Romania 2629
 in USSR 4809–4811, 6016, 6352
 parasitising
Aelia germari
 and biological control using 7232
 in Morocco 6005
Carpocoris pudicus, in Pakistan 1338
Dolycoris baccarum 4810
Eurydema spp. 4810
Eurygaster integriceps 2727, 4812, 5284
 and biological control using, in Caucasus 6352
 in Bulgaria 1347
 in Caucasus 4809–4810, 6352
 in USSR 4811, 6016
Graphosoma lineatum 4810
 rearing of, techniques for 4810
 searching behaviour in, effects of pheromones on 6016

- Trissolcus nigribasalis***
in Morocco 6352
parasitising, *Eurygaster integriceps*, and
biological control using, in Caucasus
6352
- Trissolcus painei***
in Papua New Guinea 1388
parasitising, *Axiagastus cambelli*, in Papua
New Guinea 1388
- Trissolcus pseudoturesis***
in USSR 4811
parasitising, *Eurygaster integriceps*, in
USSR 4811
- Trissolcus reticulatus volgensis***
in Bulgaria 1347
in USSR 4811
parasitising
Eurygaster integriceps
in Bulgaria 1347
in USSR 4811
- Trissolcus semistriatus***
in Morocco 6352
parasitising, *Eurygaster integriceps*, and
biological control using, in Caucasus
6352
- Trissolcus seychellensis***
development in, effects of growth
regulators on 5183
parasitising, *Antestiopsis orbitalis* 5183
- Trissolcus simoni***
in USSR 4809–4810, 6352
parasitising
Dolycoris baccarum 4810
Eurydema spp. 4810
Eurygaster integriceps, in Caucasus
4809–4810, 6352
Graphosoma lineatum 4810
rearing of, techniques for 4810
- Trissolcus viktorovi***
host-seeking behaviour in, stimulated by
host extracts 2727
parasitising, *Eurydema ventrale* 2727
- Tristachya hispida*** 2829
- tristalis*, *Hypena*, (*Bomolocha*)**
- tristicolor*, *Orius***
- tristigmus*, *Euschistus***
- Tristirinae**
feeding behaviour in 4698
in Argentina 4698
- tristis*, *Macraspis***
- tristis*, *Perilampus***
- tristis*, *Rogas***
- trisulcum*, *Aulonium***
- 1,2,3-Trithian-5-amine, *N,N*-dimethyl-
ethanedioate (1:1)**
against
Coleoptera 7609
Lepidoptera 7609
in rat, toxicity of 7609
- Trithion (see Carbophenothion)**
- tritici*, *Contarinia***
- tritici*, *Frankliniella***
- Triticum***, wheat streak mosaic virus in, mite
transmission of 3804
- Triticum aestivum*** (see Wheat)
- Triticum durum*** (see Wheat)
- Tritneptis klugii***
in USA 3547
parasitising, *Pristiphora erichsonii*, in
USA 3547
- Triton B-1956**
adjuvant for
dicofol 1424
endosulfan 1424
- Triton X-100**, with *Bacillus thuringiensis*,
compatibility of 3293
- Tritox (see BHC (γ -isomer), with DDT,
and methoxychlor)**
- Tritox Extra (see BHC (γ -isomer), with
DDT, and methoxychlor)**
- Tritoxa flexa***
in USA 2972
on onion, in Ohio 2972
parasitised by, *Tachinaephagus
zealandicus*, in Ohio 2972
- trituratora*, *Spodoptera***
- trivittatus*, *Leptocoris***
- Trjapitzinia leucomae***
gen. et sp. nov., description of 5836
in USSR 5836
parasitising, *Leucoma salicis*, in
Kazakhstan 5836
- Trogoderma***
control of, traps for 444
in composite cans, resistance to 4431
- Mattesia trogodermae*** in
biological control with 444
in California 444
taxonomy of, characters distinguishing
Reesa vespulae and 5717
- Trogoderma angustum***
control of, insecticides for 3108
in West Germany 3108
in herbal drugs, in West Germany 3108
- Trogoderma glabrum***
biology of 1159
control of, inert atmospheres for 7444
food preferences of 1159
sex pheromone of
components of 4642
release of 6489
rhythm of release of 7056
- Trogoderma granarium***
aggregation in 1631
behaviour in, effects of light on 3782
climatic plasticity of 6236
control of
antifeedants for 1552
fumigants for 933, 1046, 1681, 1701,
4442, 5049, 5058, 5705, 6309
insecticides for 6234
plant extracts for 4439
repellents for 1552

***Trogoderma granarium* contd.**

- development in, effects of JH mimics on 59
- eggs of, effects of γ -irradiation on 5318
- farnesol in, effects of 4670
- fatty acids in, gustatory and olfactory responses to 3266
- fecundity in, effects of temperature on 7120
- fungi in 6227
- in East Germany 6309
- in India 1562, 4437, 5051, 5399, 6315
- in Nigeria 4427
- in Senegal 6234
- in UK 6237
- in dried fish, in Nigeria 4427
- in flour mills, in India 1562
- in maize meal, extraction of 657
- in maltings, in UK 6237
- in packaging materials, resistance to 454
- in stored groundnuts, in Senegal 6234
- in stored maize, resistance to 1563
- in stored mushrooms, in India 5399
- in stored wheat 1701
 - damage caused by 4437, 4439, 6312
 - in East Germany 6309
 - in India 5051
 - in Punjab 6315
 - in Uttar Pradesh 4437
- varietal preferences of 4437
- in wheat flour, extraction of 657
- in wheat meal 1565
- life-span in, effects of temperature on 7120
- metepa in, effects on life-span of 4689
- microflora in 1565
- ovarian development in, effects of chemosterilants on 1156
- oviposition in, effects of temperature on 7120
- parasitised by, *Choetopsila elegans*, in Punjab 6315
- preyed on by
 - Acaropsis* spp., in Punjab 6315
 - Anthoridae, in Punjab 6315
 - spiders, in Punjab 6315
- pupation in, effects of lipids and JH mimics on 51
- sex pheromone of 1631
- sexual behaviour in 1631
- spermatogenesis in
 - effects of chemosterilants on 610
 - effects of JH mimics on 610
- sterilisation of, chemosterilants for 1156, 5051
- taxonomy of, characters distinguishing *Reesa vespulae* and 5717

Trogoderma inclusum

- biology of 1158
- control of, traps for 444
- food preferences of 1158
- in USA 6574

***Trogoderma inclusum* contd.**

- sex pheromone of 6574
- traps for 6574

Trogoderma simplex*, biology of 2378**Trogoderma variabile***

- biology of 1160
- control of, fumigants for 442
- defensive behaviour in 5915
- food preferences of 1160
- fumigant susceptibility in, effects of exposure period and temperature on 442
- hairs in, role in defence of 5915

Troglodytes callinica

- descriptions of 5243
- in Brazil 5243
- on guava, in Brazil 5243

troilus*, *Papilio

- Trombidium*, preying on, *Hylemya brassicae*, in Poland 4782

troodi*, *Phyllonorycter***Tropaeolum***

- Pieris rapae* on
 - damage caused by 3649
 - in New Zealand 3649

- Tropaeolum minus*, *Liriomyza brassicae* on, in Madhya Pradesh 3519

Tropicomomyia theae

- in India 3519
- on cotton, in Madhya Pradesh 3519
- on *Sida acuta*, in Madhya Pradesh 3519

tropicus*, *Clytus***Tropidocephala serendiba***

- in Sri Lanka 4209
- taxonomy of, *Tropidocephala signata* as synonym of 4209

- Tropidocephala signata*, taxonomy of, synonym of *T. serendiba* 4209

- Tropilaelaps clareae*, parasitising, *Apis dorsata* 180

Tropital* (see *Piprotal*)**Tropobracon schoenobii* (see *Shirakia*)*****trouessarti*, *Cheyletus*****Trout, lake (see *Salvelinus namaycush*)****Trout, rainbow (see *Salmo gairdneri*)*****truncata*, *Bathytricha******truncatella*, *Litomastix******truncatellum*, *Copidosoma* (see *Litomastix truncatella*)*****truncatellus*, *Platypus******truncatus*, *Pericoptus******truncatus*, *Tetranychus******truncorum*, *Formica******Trybliographa rapae***

- in Belgium 5296
- in Poland 4782
- parasitising
 - Hylemya brassicae*
 - in Belgium 5296
 - in Poland 4782

tryoni*, *Dacus***Trypeta obliqua* (Macq.) (see *Anastrepha*)**

Trypeta obliqua* Say (see *Tomoplagia*)*Trypetidae**

- parasitised by, *Phygadeuon* spp. 1284
- preyed on by, *Achaearanea tepidariorum*,
in Nagasaki Prefecture 2718
- rendezvous behaviour in 5333

Trypodendron

- aggregation in 2318
- pheromones in 2318

Trypodendron domesticum

- aggregation in 1143
- flight activity in 1143
- in Switzerland 3543
- in West Germany 1143, 2318, 3543
- on deciduous trees
 - in Switzerland 3543
 - in West Germany 3543
- on *Fagus*, in Europe 1143
- on *Quercus*, in Europe 1143
- parasitised by

Ipideurytoma spessivtsevi

- in Switzerland 3543
- in West Germany 3543

Perniphora robusta 6617

- in Switzerland 3543
- in West Germany 3543

pheromones in 1143

predators of

- in Switzerland 3543
- in West Germany 3543

Pseudomonas septica in

- in Switzerland 3543
- in West Germany 3543

Trypodendron lineatum

- aggregation in 1143
- biology of 3061-3062
- flight activity in 425
- in Finland 2177
- in Sweden 425
- in Switzerland 3543
- in West Germany 2318, 3061-3062,
3543, 5684
- in *Picea* timber
 - damage caused by 2177
 - in Finland 2177
- in *Pinus* timber
 - damage caused by 2177
 - in Finland 2177
- on conifers
 - in Switzerland 3543
 - in West Germany 3543
- on *Picea*, in West Germany 3061-3062
- on *Pinus*, in Sweden 425
- parasitised by
 - Ipideurytoma spessivtsevi*
 - in Switzerland 3543
 - in West Germany 3543
 - Perniphora robusta* 6617
 - in Switzerland 3543
 - in West Germany 3543
- pheromones in 5030

***Trypodendron lineatum* contd.**

predators of

- in Switzerland 3543
- in West Germany 3543

Pseudomonas septica in

- in Switzerland 3543
- in West Germany 3543
- traps for 2177, 3061

Trypodendron signatum

- in Poland 6813
- on *Quercus robur*, in Poland 6813

Tryporyza*, on rice, resistance to 723**Tryporyza dodatellus* (see *Schoenobius*)*****Tryporyza incertulas* (see also *Scirpophaga incertulas*)**

- control of, insecticides for 713, 715, 717,
828, 1356
- in India 828, 1357
- in Indonesia 713, 715
- in Malaysia 1356
- in Pakistan 773
- light-traps for 720
- on rice

- damage caused by 1356
- forecasting infestations of 720

- in India 2799
- in Indonesia 713, 715

in Java 720

in Malaysia 1356

in Orissa 1357

in Tamil Nadu 828

resistance to 1357, 6066

parasites of 717

rearing of, techniques for 721

Tryporyza innotata

- control of 6690
- insecticides for 713, 1950
- distribution of 1958
- in India 6690
- in Indonesia 713, 1950
- on rice 1958
 - in India 6690
 - in Indonesia 713
 - in Java 1950
- resistance to 6066, 6690

Tryporyza nivella

- control of, insecticides for 267, 816
- food-plants of 233
- in India 233, 267, 3576
- in Pakistan 816
- on sugar-cane
 - damage caused by 267
 - in Andhra Pradesh 3576
 - in India 233
 - in Pakistan 816
 - in Punjab 267
- parasitised by, *Elasmus zehntneri*, in
Andhra Pradesh 3576

Trypsin

- degradation of *Bacillus thuringiensis* δ -
endotoxin using 959

Trypsin contd.

- digestion of nuclear polyhedrosis viruses by 4462
- in *Attagenus megatoma* mid-gut 6472
- in *Chilo infuscatellus* 2424
- in *Sesamia inferens* 2424

Trypsin inhibitor, in soy bean, not related to insect resistance 7358

Tryptamine, 5-hydroxy- (see 1 *H*-Indol-5-ol, 3-(2-aminoethyl)-)

Tryptone (see Peptones)

D-Tryptophan, in *Phormia regina*, nutritional value of 1756

L-Tryptophan

- Acyrtosiphon pisum* feeding responses to 3405
- in *Anthrenus flavipes* diet, stimulating larval feeding 4053
- in *Carausius morosus*, separation of metabolites of 6557
- in cotton, effects of insecticides on 894
- in *Dichocrocis punctiferalis* 4076
- in *Dysdercus similis* diet, requirement for 7069
- in maize grain, effects on *Sitophilus zeamais* of 681
- in *Marasmius trapezalis* 4076
- in rice, effects of *Nilaparvata lugens* on 1965
- in wheat
 - effects of insecticides on 274
 - relation of insect damage and 2780

Tsetse fly (see *Glossina*)

Tsianoks (see Cyanophos)

Tsitrazon (see Benzoximate)

Tsuga canadensis

- Choristoneura fumiferana* on, in Maine 5437
- Epinotia tedella* on, unable to develop 3067
- Lambdina athasaria* on, in Pennsylvania 3764

Tsuga heterophylla

- Choristoneura occidentalis* on, in USA 5009
- Lambdina fiscellaria* on 520
- Melanolophia imitata* on, in British Columbia 6843
- Melanophila drummondi* on, in Washington 1511
- Neodiprion tsugae* on 520
- Tsuga heterophylla* (timber)**, *Gnathotrichus sulcatus* in, in British Columbia 5064
- tsugae*, *Neodiprion***
- Tsushima Islands*, *Limnoria sexcarinata* in 5841

tubercularis, *Aulacaspis*

Tuberculatus

- keys to 1728
- on *Lithocarpus*, in California 1728
- on *Quercus* 1728
- taxonomy of 1728

tuberculifera, *Microplitis*

Tuberculoides annulatus

- biology of 3356
- in Chile 3356
- on *Quercus*, in Chile 3356

tuberosi, *Frankliniella*

Tubers, fumigation of, standards for 6926

Tubifex tubifex

- endosulfan in, toxicity of 2643
- endosulfan metabolites in, toxicity of 2643

tubiformans, *Gnathamitermes*

tubulorum*, *Lepidosaphes***Tuckerella hypoterra***

- sp. n., description of 3988
- in USA 3988
- in pastures, in South Dakota 3988

Tuckerella knorri

- sp. n., description of 1097
- in Thailand 1097
- on *Achras zapota*, in Thailand 1097
- on *Pandanus odoratissimus*, in Thailand 1097

Tuckerellidae

- biology of 2326
- illustrations of 3988
- keys to 3988

Tulip

- lily symptomless virus in
 - aphid transmission of 943
 - in Netherlands 943

Tulip-poplar (see *Liriodendron tulipifera*)

Tulip tree (see *Liriodendron tulipifera*)

tulipae, *Aceria*

Tullbergia krausbaueri

- in Belgium 3028
- in pine litter, in Belgium 3028

tumida, *Aethina*

tumidicauda, *Alpinacris*

tumidicostalis, *Chilo*

Tumidiscapus

- distribution of 1306
- hosts of 1306
- parasities of 1306

Tumors (see Neoplasms)

Tundra, invertebrates in, in USSR 2502

Tung, *Margarodes vitis* on, in Brazil 155

tunicatus, *Pantilius*

Tunisia

- Ceratitis capitata* in 143, 492-494, 5127
- Dacus oleae* in, on olive 1433
- Euphyllura olivina* in, on olive 1433
- Prays oleae* in, on olive 1433
- Saissetia oleae* in, on *Citrus* 5109
- Tetranychus cinnabarinus* in 4606

Tur (see *Cajanus cajan*)

turanicus, *Metaphycus*

Turanogryllus, in India 6439

turbata, *Copitarsia*

turca, *Mythimna*

turcicus, *Cryptolestes*

Turdus merula, eggs of, organochlorine residues in 1047

turenensis, *Aeneolamia varia*

Turf

Anomala orientalis in, in Connecticut 2830

Popillia japonica in
in Connecticut 2830
in Ohio 3927, 6078

Scapteriscus aletus in, in Florida 1796

S. vicinus in, in Florida 1796

Tipula paludosa in, in Washington 2824

turriacus, *Phytoseius*

turionellae, *Pimpla* (*Coccygomimus*)

turkestanii, *Tetranychus*

Turkey

Adelges spp. in, on *Picea* 4404

Agrotis ipsilon in, on potato 2965

A. segetum in, on potato 2965

Anisoplia spp. in
on grain crops 7226
on wheat 3316

Anthonomus commutatus in, on plum 7013

Aonidiella aurantii in, natural enemies of 5104

A. citrina in, natural enemies of 5104
aphids in 2536

Bemisia tabaci in, on cotton 5640

Cenopalpus spinosus in 7011

Chrysomphalus dictyospermi in, natural enemies of 5104

Cicadellidae in 546

Cinara cedri in, on *Cedrus* 3727

Coccus spp. in
natural enemies of 1427
on *Citrus* 1427

C. pseudomagnoliarum in
natural enemies of 6131
on *Citrus* 6122, 6131

Coleophora parthenica in 2758

cotton in, pests of 5648

Curlculio nucum in, on hazel 6714, 7565

Dendroctonus micans in, on *Picea* 7437
entomology in 4141

Ephesttia cautella in, in raisins 6871

E. elutella in, in raisins 6871

Ernobius anatolicus in, on *Cedrus* 5223

Eurygaster spp. in 2775

E. integriceps in, on wheat 7663

Formica rufa group in 2160

grain crops in
insect-associated diseases of 6038
virus diseases of 7227

locusts in, in pastures 3317

Palomena prasina in, on hazel 6714

pest control in 7573

Plodia interpunctella in, in raisins 6871

Rhagoletis cerasi on 73

Rhyzopertha dominica in 6858

Saissetia oleae in, on *Citrus* 5105, 6122

Sitophilus granarius in 6858

Turkey contd.

Sphenoptera jugoslavica in, on *Centaurea diffusa* 6029

Spodoptera littoralis in, on cotton 7566

Tetranychidae in 6602

tobacco cultivation in 4380

Tribolium confusum in 6858

Zabrus spp. in

on grain crops 7226

on wheat 3316

Turkeys (*Meleagris gallopavo*)

diazinon in, metabolism of 5202

Turmeric (*Curcuma longa*)

Udaspes folus on, in Kerala 6030

Turmeric, wild (see *Curcuma aromatica*)

turneri, *Microcerotermes*

turneri, *Watshamia*

Turnip (*Brassica campestris* subsp. *rapifera*)

Agrotis exclamationis on, in East Germany 375

A. segetum on, in East Germany 375

Delia brassicae on, in New York 4557

pest control on, in UK 3272

pests of, in North Carolina 2915

Phyllotreta spp. on, in Sarawak 3973

Pieris rapae on, in New Zealand 3649

Plutella xylostella on, in New Zealand 3650

Turnip mosaic virus 4930

hosts of 5725

in

Aphis fabae, transmission of 456

Brevicoryne brassicae, transmission of 5725

Myzus persicae, transmission of 456, 1929, 5725

Papaver somniferum, in Hungary 1929

turnip rape, aphid transmission of 456

properties of 1929

Turnip rape (*Brassica campestris* var. *oleifera*)

Ceutorhynchus assimilis on

damage caused by 5595

in East Germany 352

C. sulcicollis on

assessing infestations of 6764

in Sweden 6764

Dasineura brassicae on

damage caused by 5595-5596

in Sweden 5596

insect pests of, in Finland 6592

turnip mosaic virus in, aphid transmission of 456, 5725

Turnip-rape meal, *Tenebrio molitor* in, development of 2422

Turpentine, attractant for, *Ips grandicollis* 2146

turrita, *Vibrissina*

Tween 80

diet component for

Dacus oleae 666

Phryxe caudata 1236

Tychius aureolus

- biology of 4294
- control of, insecticides for 4294
- in France 4294
- on lucerne, in France 4294

Tychius flavus

- biology of 6082
- control of, insecticides for 6082
- in Romania 2842
- in USSR 6082
- on lucerne
 - damage caused by 6082
 - in Romania 2842
 - in Ukraine 6082

Tydeidae

- biology of 2326
- on apple, in New South Wales 4310, 5561
- preyed on by
 - Phytoseius fotheringhamiae*, in New South Wales 4310
 - Typhlodromus helenae*, in New South Wales 5561

Tydeus californicus

- biology of 3441
- development in 4696
- in Egypt 3662, 3693
- in Taiwan 1403
- on *Duranta plumieri*, development of 3441
- on grapevine, in Taiwan 1403
- on *Hibiscus rosa-sinensis*, development of 3441
- on sweet potato, development of 3441, 4696
- preying on
 - Tetranychidae, in Egypt 3693
 - Tetranychus cucurbitacearum*, in Egypt 3662

Tydeus grabouwi

- in South Africa 5949
- preying on
 - Panonychus ulmi*, in South Africa 5949
 - Tetranychus cinnabarinus*, in South Africa 5949

Tydeus pygiacus

- sp. n., description of 1403
- in Taiwan 1403
- on grapevine, in Taiwan 1403

Tylomischus*, gen. n., description of 675**Tyora tessmanni* (see *Mesohomotoma*)*****Typha angustata*, *Sesamia inferens* on, in Pakistan 773*****Typhaea stercorea***

- in Yugoslavia 5718
- in sunflower seeds, in Yugoslavia 5718
- population density of 5718

Typhlocybini, in Africa 6047***Typhlodromalus higuilloae* (see *Amblyseius*)*****Typhlodromips plumosus* (see *Amblyseius*)*****Typhlodromus***

- in Taiwan 5833
- preying on, *Tetranychus urticae*, in Mississippi 3010

Typhlodromus aberrans* (see *Amblyseius*)**Typhlodromus caudiglans***

- in USA 7311
- in apple orchards, in Wisconsin 7311

Typhlodromus columbiensis

- acaricides in, toxicity of 6101
- in Canada 6101

Typhlodromus cucumeris

- in Netherlands 978
- in Poland 4748
- on Cruciferae, in Poland 4748
- preying on, *Thrips tabaci*, in Netherlands 978

Typhlodromus deleoni

- sp. nov., description of (in *Amblydromella*) 6430
- in Puerto Rico 6430

Typhlodromus helenae

- in Australia 5560-5561
- preying on
 - Eriophyidae, in New South Wales 5561
 - Tetranychus urticae*, in New South Wales 5560
- Tydeidae, in New South Wales 5561

Typhlodromus italicus

- biology of 1292
- in Italy 1292, 6738
- insecticides in, toxicity of 1292
- preying on
 - Panonychus ulmi*, in Italy 1292, 6738
 - Tetranychus urticae*, in Italy 1292, 6738

Typhlodromus longipilus

- in USA 3010, 7311
- in apple orchards, in Wisconsin 7311
- preying on, *Tetranychus urticae*, in Mississippi 3010

Typhlodromus nesbitti

- in Australia 5560
- preying on, *Tetranychus urticae*, in New South Wales 5560

Typhlodromus occidentalis* (see *Metaseiulus*)**Typhlodromus pomi***

- in USA 3010
- preying on, *Tetranychus urticae*, in Mississippi 3010

Typhlodromus pyri

- acaricides in, toxicity of 3902
- azinphos-methyl resistance in, in New Zealand 1421
- biology of 797
- fungicides in, toxicity of 3902
- in New Zealand 1421
- in UK 797
- insecticides in, toxicity of 3902
- preying on, *Panonychus ulmi*, in England 797

Typhlodromus rhenanus

- in Poland 4748
- in Yugoslavia 4326
- on Cruciferae, in Poland 4748
- preying on
 - Panonychus citri*, in Yugoslavia 4326
 - Tetranychus cinnabarinus* 5928

Typhlodromus ruralis

- carbaryl in, toxicity of 2008
- in USA 2008
- preying on, *Eotetranychus hicoriae*, in Georgia (USA) 2008

Typhlodromus vulgaris

- in Japan 3739
- preying on, *Oligonychus hondoensis*, in Nagasaki Prefecture 3739

typhon, Apanteles***typica, Stephanitis******typographus, Ips******Tyria jacobaeae***

- development in, effects of photoperiod and temperature on 1797
- ocelli in 4011
- on *Senecio jacobaeae*
 - and biological control using
 - in British Columbia 3564
 - in Canada 2755
 - in Nova Scotia 3564

Tyroglyphidae*, preyed on by, *Cheyletus malaccensis* 2730**Tyroglyphus* (see *Acarus*)*****Tyroglyphus farinae* (see *Acarus siro*)*****Tyrophagus castellanii* (see *T. putrescentiae*)*****Tyrophagus longior***

- control of, acaricides for 1561
- in Irish Republic 3778
- in Poland 4748
- in UK 1561
- in stored barley
 - effects of mechanical handling on 1561
 - in England 1561
- in stored grain, in Irish Republic 3778
- on Cruciferae, in Poland 4748

Tyrophagus palmarum

- in Poland 4748
- on Cruciferae, in Poland 4748

Tyrophagus putrescentiae

- acaricide susceptibility in, effects of temperature on 5800
- alarm pheromone in 4676
- control of
 - acaricides for 5800, 6322, 7594
 - inert atmospheres for 7450
- development in, humidity and temperature limits for 5411
- in France 1554, 7474
- in Irish Republic 3778
- in Japan 7448, 7455
- in Poland 940
- in Portugal 1535
- in USSR 6322

***Tyrophagus putrescentiae* contd.**

- in flour mills, in Portugal 1535
- in grain debris, in Irish Republic 3778
- in medicinal herbs, in Poland 940
- in milk powder
 - in Japan 7448
 - in Kanagawa Prefecture 7455
- in pasture seeds, in USSR 6322
- in prunes, in France 7474
- in stored rape seed, in France 1554
- metabolic inhibitors for 6239
- nutrition of 6239
- population growth in, effects of stored grain moisture content on 1554
- preying on
 - Cydia pomonella*, and transmitting viruses 5733
 - Solenopsis* spp. 7178
- reproduction in 6238

L-Tyrosine

- in *Corcyra cephalonica*, hydroxylation to DOPA of 6473
- in *Cucumis callosus*, not found 6152
- in *Cucumis melo* 6152
- in *Diprion similis*, conversion to phenylalanine of 7069
- in *Macrosiphum euphorbiae* 3423
- in *Phryxe caudata* larvae 6463
- in *Pieris brassicae*, reservoir of 4681
- in sugar-cane, effect on *Melanaphis indosacchari* reproduction of 2380
- in *Viteus vitifoliae* 2859
- in wheat, effects of insecticides on 274

L-Tyrosine, 3-hydroxy-

- in *Agrotis ipsilon*, effects on development of 5858
- in *Corcyra cephalonica*
 - decarboxylation to dopamine of 6473
 - hydroxylation of tyrosine to 6473

Tyttus chinensis

- in Solomon Islands 7261
- in rice-fields, effects of insecticides on 7261

- preying on, *Nilaparvata lugens*, in Solomon Islands 7261

Tyttus mundulus

- in Australia 3575

preying on

- Musca domestica* 3575
- Perkinsiella saccharicida*, in Australia 3575
- rearing and transporting of 3575

Tyttus parviceps

- in India 7264
- in Jamaica 241

preying on

- Nilaparvata lugens*, in Madhya Pradesh 7264
- Sogatella furcifera*, in Madhya Pradesh 7264

U-36059 (see Amitraz)**UC-34096 (see Formparanate)**

Udaspes folus

- biology of 6030
- descriptions of 6030
- in India 6030
- on *Curcuma aromatica*, in Kerala 6030
- on ginger, in Kerala 6030
- on turmeric, in Kerala 6030

Udea ferrugalis

- biology of 3510, 5591
- control of 3510
- insecticides for 5591
- in Bulgaria 3510, 5591
- on *Capsicum*
 - development of 5591
 - in Bulgaria 3510
- on cucumber, development of 5591
- on cucurbits, in Bulgaria 3510
- on eggplant, development of 5591
- on tomato, development of 5591

Uga colliscutella

- in Australia 225
- parasitising, *Henosepilachna guttatopustulata*, in Queensland 225

Uga menoni

- in India 1299
- parasitising, *Henosepilachna vigintioctopunctata*, in India 1299

Uganda

- Aphis craccivora* in, on groundnut 1459, 2945
- Atherigona soccata* in, on sorghum 4279
- Ceratitis* spp. in
 - natural enemies of 1496
 - on coffee 1496
- Cosmopolites sordidus* in, on banana 343
- cotton in, pests of 1487
- Cryptophlebia leucotreta* in, on cotton 2084
- Lepidoptera in, natural enemies of 5450
- Maruca testulalis* in, on *Vigna unguiculata* 364
- Pinnaspis strachani* in, natural enemies of 3362
- Schedorhinotermes lamanianus* in 1311
- Selenaspis articulatus* in, natural enemies of 1098
- Spodoptera exempta* in 2647

uhleri*, *Aceratagallia***uhleri*, *Chlorochroa******ulmarius*, *Acanthococcus******ulmi*, *Lepidosaphes******ulmi*, *Panonychus***

(Metatetranychus)

ulmicola*, *Nepticula* (see *Stigmella ulmivora*)**ulmicola*, *Stigmella* (see *S. ulmivora*)*****ulmifoliae*, *Nepticula* (see *Stigmella ulmivora*)*****ulmifoliae*, *Stigmella* (see *S. ulmivora*)*****ulmivora*, *Stigmella*, (*Nepticula*)*****Ulmus***

- Ceratocystis ulmi* in
 - in Canada 3752

Ulmus* contd.**Ceratocystis ulmi* in contd.**

- in Denmark, not found 5400
- in England 4423
- in Michigan 5002
- in USA 6218
- symptoms of 6218

Coccus pseudomagnoliarum* on 4328**Eulecanium tiliae* on, in Armenia 7307*****Hypophloeus bicolor* on, in England 7194*****Operophtera brumata* on, in Denmark 1163*****Scolytus* spp. on, in England 4423*****S. multistriatus* on**

- in England 7194
- in Michigan 5757
- in Yugoslavia 2121
- rearing of 4734

***S. scolytus* on**

- in England 7194
- in Yugoslavia 5731

Stigmella ulmivora* on, in Sweden 5689**Ulmus americana******Ceratocystis ulmi* in**

- in Ohio 4392
- in USA 4632

***Scolytus multistriatus* on**

- feeding preferences of 5038
- in Canada 2132
- in Colorado 6000
- in Michigan 5038
- in New York 4634
- in Ohio 4392, 4633
- in USA 2132

Ulmus carpinifolia***Ceratocystis ulmi* in, scolytid transmission of 5695*****Procystiphora autumnalis* on, in Netherlands 1248*****Scolytus multistriatus* on, feeding preferences of 5695*****S. pygmaeus* on, in Poland 1885*****S. scolytus* on, feeding preferences of 5695*****Ulmus carpinifolia* × *U. hollandica******Ceratocystis ulmi* in, scolytid transmission of 5695*****Scolytus multistriatus* on, feeding preferences of 5695*****S. scolytus* on, feeding preferences of 5695*****Ulmus fulva*, *Eriosoma americanum* on, in Indiana 7012*****Ulmus* × *hollandica******Ceratocystis ulmi* in, scolytid transmission of 5695*****Scolytus multistriatus* on, feeding preferences of 5695*****S. scolytus* on, feeding preferences of 5695**

Ulmus procera

Ceratocystis ulmi in, scolytid transmission of 5695

Scolytus multistriatus on, feeding preferences of 5695

S. scolytus on, feeding preferences of 5695

***Ulmus pumila*, *Scolytus multistriatus* on, in Colorado 6000**

***Ulmus* (timber)**

Scolytus multistriatus in, in England 5666

S. scolytus in, in England 5666

Uloborus

in citrus groves, in Florida 4186
preying on

Aleyrodidae, in Florida 4186

Drosophila spp., in Florida 4186

Ulomini

defensive behaviour in 2403

defensive secretion in 2403

Ulonemia

biology of 2862

on *Macadamia*, in Queensland 2862

ultor*, *Apanteles**Ultracide (see Methidathion)*****ulysses*, *Xylotrupes gideon*****Umbelliferae**

Aphis spp. on, in Manitoba 7027

Caviariella spp. on 6624

Papilio polyxenes on, utilisation of 2427

Umbonia crassicornis

alarm pheromone in 6534

defensive behaviour in 6534

preyed on by

Coccinellidae 6534

Reduviidae 6534

Syrphidae 6534

umbra*, *Pyrria***umbraticus*, *Amblyseius******umbratum*, *Pachyneuron******umbratus*, *Lasius******umbrella*, *Aphis******umbrosus*, *Dacus******Unaspis citri***

biology of 5100

in Brazil 3362

in Colombia 5532

in USA 3025

on *Citrus*

in Colombia 5532

in West Africa 5100

on *Tillandsia usneoides*, in Georgia (USA) 3025

parasitised by

Aphytis lingnanensis 5581

Arrhenophagus chionaspidis, in Brazil 3362

Unaspis yanonensis

control of, integrated 339, 3850

in China 5101

***Unaspis yanonensis* contd.**

in Japan 339, 1229, 1894, 3850–3851,

5101, 5466, 5581

mortality in 5327

on *Citrus*

in Japan 1229, 5101, 5581

in Kagoshima Prefecture 1894

on *Citrus natsudaoidai*

in Japan 3850

in Yamaguchi Prefecture 339

parasites of, in Japan 3851

parasitised by

Aphytis spp., in Japan 5101

A. lingnanensis, and biological control

using, in Japan 5581

Aspidiotiphagus citrinus

in Fukuoka Prefecture 1894

in Japan 5101, 5466

in Kagoshima Prefecture 1894

Prospaltella spp., in Japan 5101

predators of, in Yamaguchi Prefecture 339

preyed on by, *Chilocorus kuwanae*, in Japan 1229

uncatoides*, *Psylla***undalis*, *Hellula******undarus*, *Neophyllotocus******undata*, *Mocis******undatulus*, *Thanasimus******undatus*, *Polydrusus* (see *P. tereticollis*)**

Undecane, *Oecophylla longinoda* defensive-secretion component 4628

3-Undecanone, *Oecophylla longinoda* alarm-pheromone component 4628

undecimlineata*, *Leptinotarsa*, (*Polygramma*)**undecimnotata*, *Semiadalia***

(*Adonia*)

undecimpunctata*, *Coccinella***undecimpunctata*, *Diabrotica******undecimpustulatus*, *Myllocerus*****Uden (see Propoxur)*****undulata*, *Lobiopa******undulata*, *Phyllotreta******undulata*, *Rheumaptera*, (*Calocalpe*)*****unica*, *Heydenia******unicolor*, *Attagenus******unicolor*, *Dulinus******unicolor*, *Microtermes******unicostata*, *Monosteira******unifasciatus*, *Didesmococcus******unifasciatus*, *Heilipus******unifasciatus*, *Metacolus******uniformis*, *Apogonia******uniformis*, *Podagrica******unilachni*, *Pauesia******unimoda*, *Lithophane*****Union of Soviet Socialist Republics**

Abacarus hystrix in, on grasses 6526

Acanthococcus spp. in 11

A. sasae in, natural enemies of 550

Acarus siro in, in pasture seeds 6322

Union of Soviet Socialist Republics *contd.*

- Aceria tulipae* in, on onion 6526
 Acridoidea in 650
Acronicta leporina in, on *Betula* 4388
A. psi in, on *Betula* 4388
Acyrtosiphon gossypii in, on cotton 6792
A. pisum in
 natural enemies of 5456, 6774
 on lucerne 6707, 6774
 on pea 6774
Adelges nordmannianae in, on *Picea* 5676
Adelphocoris lineolatus in, on lucerne 5530, 6081–6082, 6707
Aelia acuminata in, on grasses 6701
Agrotis segetum in 659, 1186
 natural enemies of 5458
 on sugar-beet 6783
Aiolopus thalassinus in 5418
Anoplonyx versicolor in 4605
Anthonomus commutatus in 7013
Antionina crawi in, natural enemies of 550
Anuraphis farfarae in 6515
A. subterranea in 6515
 Aphelinidae in 6638
 aphids in 5472
 on apple 325
 on cotton 6183
 on potato 5622, 6167
 on sugar-beet 6783
 on tobacco 7399
Aphis craccivora in, on cotton 6792
A. gossypii in, on cotton 5643, 6792
Apion spp. in 7182
A. apicans in, natural enemies of 6013
Aporia crataegi in 7304
 natural enemies of 6344
 on apple 5568
 on fruit trees 5551
Aradus cinnamomeus in, on *Pinus* 432
 Auchenorrhyncha in, on potato 6167
Balanococcus orientalis in, on *Carex macrocephala* 7009
 bark beetles in
 natural enemies of 6627
 on fire-damaged trees 6841
Barylpa torquata in 5229
 beet in, pest control on 5612
Bena prasinana in, on *Betula* 4388
 beneficial arthropods in 7204
Bibio ferruginatus in
 on potato 5491
 on wheat 5491
 biological control in 5745, 6354–6355, 6621
Biston betularia in, on *Betula* 4388
Blastodacna atra in, on apple 6113
 Bostrychidae in, in imported timber 6319

Union of Soviet Socialist Republics *contd.*

- Bothynoderes punctiventris* in
 natural enemies of 5467
 on beet 5467
Bradybatus creutzeri in, on *Acer* 5015
B. tomentosus in
 natural enemies of 2331
 on *Acer* 2331
Bruchophagus roddi in, on lucerne 6082, 6084
Byctiscus betulae in
 on apple 6724
 on *Populus* 6724
 cabbage in, insect pests of 7340
Calameuta spp. in 5234
Calliptamus italicus in 1854
Cerapteryx graminis in 5522
Chondrilla spp. in 1330
 Chrysomelidae in 7183
 Chrysopidae in 5459
 Coccoidea in, in parks 6808
Coccus pseudomagnoliarum in 4328
 cockchafers in, natural enemies of 6628
 Conopidae in 1873
Conorhynchus spp. in, on beet 6755
Contarinia bromicola in 1570
 cotton in, pest control on 386
 Curculionidae in 5826
Cydia delineaana in, on hemp 7397
C. pomonella in 5751, 7116
 natural enemies of 2182, 5444, 6020, 6107–6108, 7483
 on apple 324, 1416, 5556, 5565, 5761, 6104–6105, 6723, 6727, 7315
 on pear 5556
C. pyrivora in, on pear 6118
Dasineura laricis in, on *Larix* 7442
Dasychira albidentata in, natural enemies of 1875
Delia brassicae in, on cabbage 6765
D. floralis in, on cabbage 6765
Dendrolimus pini in, on *Pinus* 5697
 dendrophilous insects in, natural enemies of 2585
Dialeurodes citri in, on *Citrus* 7325
Diapsidiotus danzigae in, on *Juniperus depressa* 7017
Dictyla nassata in, on *Trichodesma incanum* 7212
Dictyoploca japonica in
 natural enemies of 7431
 on hazel 7431
Diorctria abietella in, on *Pinus* 5693
Dipolepis mayri in, natural enemies of 7209
Dolichovespula spp. in 7022
Dorytomus spp. in 7023
 dwellings in, insects in 6237
Dysaphis devector in, on apple 6106
 Elateridae in 2627, 5398
 on potato 7377
Epiacanthus spp. in 7008

Union of Soviet Socialist Republics *contd.*

- Eriophyes vitigineusgemma* in, on grapevine 1399
 Eriophyidae in, on hazel 6096
Eugnorisma miniago in, on grapevine 2858
Eulecanium bituberculatum in, on apple 5570
E. caraganae in, natural enemies of 7186
E. rugulosum in, natural enemies of 7004
E. tiliae in 7307
Euproctis chrysorrhoea in, natural enemies of 6344
E. similis in 7308
 on apple 5568
Eurygaster integriceps in 5388
 natural enemies of 4809-4811, 6016, 6352-6353, 6636
 on grain crops 1189
 on wheat 2780, 5752, 7234-7235
Eurytoma spp. in 6001
Exoteleia dodecella in, on *Pinus* 7441
 flea-beetles in, on sugar-beet 6783
 forest pests in, natural enemies of 6221, 7179
 fruit trees in, pests of 6431
 Geometridae in, on forest trees 3738
Glycyphagus destructor in, in pasture seeds 6322
Glyphipterix simplicicella in, on *Festuca* 6700
 grape vine in, pests of 313
 grasshoppers in 7175
 grassland in, insects associated with 2502
Gryllus campestris in 6535
Hadena sordida in
 on grain crops 1346
 on wheat 7236, 7239
 Halticinae in 6429
Heliothis armigera in
 natural enemies of 6920
 on cotton 1167, 5642, 6181-6182
 Heteroptera in, on potato 6167
 honey bees in, natural enemies of 2701-2702
Hoplocampa testudinea in
 natural enemies of 6010
 on apple 6010
Hyphantria cunea in 5913, 5980, 6907
Ips chalcographus in 7432
I. subelongatus in 5694
Janus luteipes in 5234
Kakothrips pisivorus in
 natural enemies of 6157
 on pea 6157
Kyboasca bipunctata in
 on cotton 6183
 on lucerne 6183
 Lasiocampidae in, natural enemies of 1874
Lasiomma laricicola in, on *Larix* 1871

Union of Soviet Socialist Republics *contd.*

- leaf-eating moths in, natural enemies of 6103
 leaf-mining moths in, on apple 324
Lema spp. in
 on grain crops 6656
 on thistle 6656
Lepidosaphes ulmi in, on apple 6721
Leptinotarsa decemlineata in 2963, 7380, 7648
 natural enemies of 6168
 on medicinal plants 7219
 on potato 5628-5629, 5746, 5916, 6172, 6530, 6784, 7377
Leptogaster cylindrica in 1876
Leptopterna dolabrata in, on grasses 6701
Leucoma salicis in
 natural enemies of 5836, 6817
 on *Populus* 6817
Lobesia botrana in, on grapevine 5822, 6094
Longitarsus exoletus in, on *Trichodesma incanum* 7212
Lygus pratensis in, on lucerne 5530
Lymantria dispar in 3813, 5285
 natural enemies of 6002, 6204
 on *Quercus* 506, 5759
L. monacha in 1875
 natural enemies of 1878
 on *Larix* 1878
 on *Pinus* 1878
 Lymantriidae in, natural enemies of 1874
Macrosiphum avenae in, on wheat 5752, 6677
Malacosoma neustria in, natural enemies of 6344
Mamestra brassicae in 7118
 natural enemies of 6767
 on cabbage 7341, 7343
 on garden vegetables 6758
Margaritita sticticalis in 5402, 7278
Mayetiola destructor in
 natural enemies of 5492
 on wheat 5492
Meligethes schilskyi in, on *Trichodesma incanum* 7212
Mesopolobus szelenyii in 1726
 mites in 3360
 on potato 6167
Molorchus minor in
 on hazel 5536
 on pear 5536
Monochamus spp. in, in timber 2178
Mussidia nigrivenella in, in imported cacao beans 6868
Mythimna unipuncta in
 in pastures 6077
 on grasses 5486
 on maize 5486
Neodiprion sertifer in
 natural enemies of 6015

Union of Soviet Socialist Republics *contd.*

- Neodiprion sertifer* in *contd.*
 on *Pinus* 5670
- Noctuidae in 3855–3856
 natural enemies of 3854
 on beet 6620
 on cabbage 6620
 on cotton 6182
- Operophtera brumata* in, natural enemies of 5454
- Orgyia dubia* in 5401
- Oria muscosa* in 270
- ornamental plants in, pests of 6431
- Orobancha* spp. in, *Phytomyza* spp. for biological control of 7388
- Oscinella frit* in
 on grain crops 5488
 on *Vicia* 5488
- O. pusilla* in
 on barley 5488
 on wheat 5488
- Ostrinia nubilalis* in, on maize 6679
- Otiorynchus ligustici* in, on lilac 5654
- Parthenolecanium fletcheri* in, on *Thuja* 6827
- pear in, pests of 2589
- Pemphigus* spp. in 5341
- P. fuscicornis* in
 natural enemies of 6018
 on beet 369
 on *Chenopodium* 369
 on sugar-beet 6783
- Pentatomidae in, on grain crops 1347
- Petrova resinella* in, on *Pinus* 5453
- Phalera bucephala* in, on *Betula* 5677
- Phyllonorycter pyrifoliella* in
 natural enemies of 6726
 on apple 6726
- Phytocoptes deschampsiae* in, on grasses 6526
- Phytoseiidae in 7010
- Phytoseius turiacus* in 7003
- Pieris brassicae* in
 natural enemies of 6767
 on cabbage 6765, 7343
 on garden vegetables 6758
- P. rapae* in
 natural enemies of 6767
 on garden vegetables 6758
- Pineus orientalis* in, on *Pinus* 5676
- Pissodes validirostris* in, on *Pinus* 5693
- Platypodidae in 7029
- Plutella xylostella* in
 natural enemies of 6767
 on cabbage 6765, 7341, 7343
 on garden vegetables 6758
- Polydrusus mollis* in 5245
- P. tereticollis* in 5245
- Polymerus cognatus* in, on lucerne 5530
- Pseudococcus comstocki* in 5747
 on pear 6549
 on pomegranate 5753

Union of Soviet Socialist Republics *contd.*

- Psylla pyrisuga* in
 on pear 7316
 on *Pinus* 7316
- Psyllidae in 5228, 5370
 natural enemies of 6011
 on pear 2590
- Ptilodon capucina* in, on *Betula* 4388
- Quadraspidiotus perniciosus* in 5751
 natural enemies of 5457
 on apple 7125
 on fruit trees 5552
 on ornamental plants 5552
- Recurvaria nanella* in, on fruit trees 6099
- Rhagium inquisitor* in, in timber 2178
- Rhodococcus rosaeluteae* in, natural enemies of 7004
- Rhopalosiphum padi* in, on grain crops 6672
- Rhyacionia buoliana* in, on *Pinus* 3049, 5453
- Schizaphis graminum* in 6037
 natural enemies of 6073
 on grain crops 6672
 on sorghum 6073
 on wheat 5752
- Scolytidae in 7029
- Selatosomus latus* in 6587
- Sitona* spp. in 7350
 on lucerne 5529
- Smynthurodes betae* in
 natural enemies of 5647
 on cotton 5647
- soil arthropods in 2597, 2601–2602
- soy bean in, pests of 1872
- Spodoptera exigua* in 2518
 on cotton 6182
- S. littoralis* in, importation of 5403
- S. litura* in, importation of 5403
- Staphylinidae in, in pine forests 6220
- Steneotarsonemus pashini* in, on wheat 6675
- Stigmella malella* in, on apple 6116
- sugar-beet in, pest control on 7366
- Syrphidae in 1870, 1877
- Tachinidae in 1872
- Tetranychidae in 5472
 natural enemies of 5995, 7185
 on cotton 6182–6183
 on cucurbits 6619
 on fruit trees 6102
- Tetranychus urticae* in, on rose 6651
- Tettigonioidae in 735
- Thaumetopoea processionea* in, natural enemies of 2586
- Thrips tabaci* in, on tobacco 5651, 7399
- Thysanoptera in 1
- Tortrix viridana* in
 natural enemies of 5454, 6832, 7422
 on *Quercus* 6832

Union of Soviet Socialist Republics contd.

- Tribolium destructor* in, in foodstuffs 6305
Trichogramma pallidum in 2587
Tychius flavus in, on lucerne 6082
Tyrophagus putrescentiae in, in pasture seeds 6322
Yponomeuta padellus in, natural enemies of 6019
Y. rhamnellus in 5225
 on *Rhamnus cathartica* 5226
Y. rorellus in, natural enemies of 6818
Zabrus tenebrioides in 1185
 on wheat 6674
Zeuzera pyrina in, natural enemies of 5997

unionalis, Palpita**Unipterus commiphorae** (see *Paoliella*)**unipuncta, Mythimna**

(Cirphis)

(Pseudaletia)

United Kingdom

- Abacarus hystrix* in 4872
 on *Lolium* 6703
Acarus farris in, in stored barley 1561
A. siro in 5177
 in stored barley 1561
Acyrtosiphon dirhodum in, natural enemies of 801
Adelges abietis in, on *Picea* 5035
 Adelgidae in, on *Picea* 7417
Adoxophes orana in 7591
 agricultural entomology in 545
 agricultural pests in 5978
Agriotes spp. in, on wheat 1060
Amphorophora rubi in, on raspberry 6092
 aphids in
 natural enemies of 200, 4254
 on beet 3679
 on grain crops 7618
 on potato 4352, 7378
 on sugar-beet 799, 3679, 7367, 7598
Aphis fabae in
 on sugar-beet 3958, 7599
 on *Vicia faba* 3966
Apion vorax in, on *Vicia faba* 5723
 apple in, pests of 3165
Archips podanus in 7591
Biston betularia in 108
Blattella germanica in 7590
Brachycaudus helichrysi in
 on chrysanthemum 7581
 on *Vicia faba* 5601
Brevicoryne brassicae in 2043
 on brussels sprouts 7582
Bryobia practiosa complex in, on brussels sprouts 5599
Byturus tomentosus in, on raspberry 1996
 Carabidae in 6
 in sugar-beet fields 4347

United Kingdom contd.

- Caviariella aegopodii* in 876
Cecidophypopsis ribis in, on black currant 1997
 centipedes in 4749
Ceutorhynchus assimilis in, on rape 7387
 chrysanthemum in, pests of 3938–3939
 Cicadellidae in, natural enemies of 195
 Cicindelidae in 6
 Coleoptera in, in marine cargoes 3082
Contarinia pisi in, on pea 6153, 7528
Cryptococcus fagi in, on *Fagus* 2156
Cydia spp. in 7591
C. nigricana in, on pea 2052, 6153
C. pomonella in
 natural enemies of 796
 on apple 796
Dasineura brassicae in, on rape 7387
Delia spp. in, on *Phaseolus vulgaris* 5604
D. brassicae in
 on brussels sprouts 7582
 on cabbage 4333
 on cauliflower 4333, 5598
D. coarctata in
 natural enemies of 1904
 on grain crops 7618
 on wheat 7229, 7586–7587
D. platura in, on *Phaseolus vulgaris* 6153
 Delphacidae in, natural enemies of 195
Dendrothrips eastopi in, on ivy 408
Dermestes spp. in 7001
Dicyphus rhododendri in, on
Rhododendron 6553
 Diptera in 4004
Drepanosiphum platanoideis in, natural enemies of 1891
Elatobium abietinum in, on *Picea* 5035, 6216
Evergestis forficalis in
 on brussels sprouts 5597
 on crucifers 626
Formica lugubris in 4201
F. rufa in 4201
 Formicidae in 8
 gardens in
 pest control in 7525
 pests of 3728
Gilpinia hercyniae in, on *Picea* 487
 glasshouse crops in
 biological control on 6908
 pest control on 979
 glasshouses in, pest control in 7503
Glycyphagus destructor in, in stored barley 1561
 grain fields in, predacious arthropods in 4772
 granaries in, pesticide use in 6317
Harpalus rufipes in, natural enemies of 6631
Hemicheyletia reticulata in, in farms 1099

United Kingdom *contd.*

- honeybees in, on rape 7602
- household pests in 6237
- Hylastes* spp. in
 - on conifers 3041
 - on *Picea* 6835
- Hylemya antiqua* in, on onion 3948
- H. brassicae* in 3462
 - on *Brassica* 3947
 - on cauliflower 3327
- H. coarctata* in 5359
 - natural enemies of 800
 - on wheat 800, 1060
- H. platura* in
 - on onion 3948
 - on *Phaseolus vulgaris* 3951
- Hylobius abietis* in
 - on conifers 3041
 - on *Picea* 6835
- Hyperomyzus lactucae* in, on black
 - currant 6093, 6427
- imported almonds in, insects in 1542
- Ips trepanatus* in, on *Pinus* 7416
- leaf miners in, natural enemies of 6632
- Lepidoptera in 4594
- Leptinotarsa decemlineata* in 4967
 - on imported endive 2275
 - on imported timber 2275
- Lolium perenne* in, pest control on 4286
- Lycoriella auripila* in, on mushroom
 - 1924
- Macrosiphoniella sanborni* in, on
 - chrysanthemum 7581
- Macrosiphum avenae* in, natural enemies
 - of 801
- M. euphorbiae* in
 - on potato 5625
 - on raspberry 6092
- maize in, pests of 7630
- Mamestra brassicae* in, on brussels sprouts
 - 5597
- man in, pesticide residues in 6387
- Masonaphis* spp. in, natural enemies of
 - 6553
- M. morrisoni* in
 - on *Cupressus macrocarpa* 5409
 - on *Taxodium distichum* 5409
- Meligethes* spp. in, on rape 7387
- Microlophium carnosum* in
 - natural enemies of 5480
 - on *Urtica dioica* 5480, 6655
- millepedes in 4749
- mites in
 - in buildings 7594
 - in stored grain 5411, 7594
- Monomorium pharaonis* in 7590
- Myzus humuli* in, on hop 3942-3944,
 - 3967, 7220
- M. ornatus* in, on raspberry 5601, 6092
- M. persicae* in 4078
 - on beet 7580
 - on chrysanthemum 6427, 7581

United Kingdom *contd.*

- Myzus persicae* in *contd.*
 - on sugar-beet 3958, 4345, 4348, 4961,
 - 5191, 7575-7576, 7599
- Napomyza carotae* in, on carrot 2068
- Nematini in 4998
- Onychiurus armatus* in, on sugar-beet
 - 5616
- O. fimetarius* in, on sugar-beet 5616
- Opomyza* spp. in, on wheat 7229
- ornamental plants in, pests of 3728
- Oryzaephilus surinamensis* in 5177
 - in stored grain 7595
- Oscinella frit* in
 - on maize 3936
 - on oats 7229
 - on wheat 4827
- Pachypappa tremulae* in
 - on *Picea* 4597
 - on *Populus* 4597
- Pammene rhediella* in 7591
- Panonychus ulmi* in
 - natural enemies of 797
 - on apple 797, 2289, 5569, 7516
- Parthenolecanium corni* in, on red currant
 - 5546
- pastures in
 - pest control in 4286
 - soil invertebrates in 1367
- pear in, pest control on 6733
- Pemphigus* spp. in 4417
- pest control in 3272, 4181
- Philaenus spumarius* in, natural enemies
 - of 5250
- Phytomyza chaerophylli* in, on carrot
 - 5619
- Pieris rapae* in, on brussels sprouts 5597,
 - 7582
- Pinus similis* in, on *Picea* 7417
- Pristiphora thalenhorsti* in 1718
- Pseudococcus obscurus* in, on saxifrage
 - 2111
- Psila rosae* in 2956
 - on carrot 499, 2068, 3946-3947, 5618,
 - 6166, 7528
- Psocoptera in 5
- Psylla mali* in, on apple 5569, 7508,
 - 7513
- Psylliodes chrysocephalus* in, on rape
 - 7387
- Pterostichus madidus* in 651
- Quercusia quercus* in
 - natural enemies of 3035
 - on *Quercus* 3035
- rape in, pests of 7601, 7630
- Rhizoglyphus echinopus* in
 - in narcissus bulbs 5655
 - on ornamental plants 5411
- Rhopalosiphum insertum* in, on apple
 - 5569, 7508, 7513, 7526
- R. padi* in 4872
- role in international pest control of 7632

United Kingdom *contd.*

- rose in, pests of 3939
- ryegrass in, viruses in 6703
- Sarcophaga nigriventris* in, parasitising snails 7195
- Sciaridae in, in *Tipula* culture 5396
- Scolytus* spp. in, on *Ulmus* 4423
- S. multistriatus* in
 - in *Ulmus* timber 5666
 - natural enemies of 7194
- S. scolytus* in
 - in *Ulmus* timber 5666
 - natural enemies of 7194
- shoot-flies in, in grassland 4288–4289
- Siphonaptera in 4004
- Sirex cyaneus* in 4154
- Sitona lineatus* in, on *Vicia faba* 5723
- soil arthropods in 2599
- Spilosoma lubricipeda* in 87
- S. luteum* in 87
- Steneotarsonemus laticeps* in
 - in narcissus bulbs 5655
 - on narcissus 7407
 - on ornamental plants 5411
- Stenocranus minutus* in, on *Dactylis glomerata* 4282
- storage pests in 6237
- stored products in, insect pests of 6249
- sugar-beet in, insects associated with 4345
- Symphyla in 4194
- Taxomyia taxi* in, on *Taxus baccata* 6209
- Tenebrionidae in 7
- Tetranychus urticae* in, on hop 3967
- T. urticae* on, in violet 908
- thrips in 6589
- Tipula* spp. in, on grain crops 7588
- Tipulidae in, natural enemies of 7589
- Tortricidae in, on strawberry 2849
- Trialeurodes vaporariorum* in
 - on cucumber 6151
 - on *Phaseolus* 3937
 - on tomato 5633
- Tribolium castaneum* in 5177
- Tyrophagus longior* in, in stored barley 1561
- Urocerus gigas* in 4154
- Utamphorophora humboldti* in, on *Poa trivialis* 5409
- Wahlgreniella nervata* in, on rose 5409
- wireworms in 4763
- wood-destroying organisms in 3795

United States of America (*see also* individual States)

- Anthonomus grandis* in
 - food-plants of 1331
 - on cotton 2991
- Aphis oenotherae* in 3723
- biological control in 2750
- Chalcidoidea in 1717
- Coccoidea in 6447

United States of America *contd.*

- Colaspis* spp. in 1724
- Coleotechnites milleri* in, on *Pinus* 5664
- C. starki* in, on *Pinus* 5664
- Coloradia pandora* in, on *Pinus* 5664
- Coptotermes formosanus* in 807
- Corythucha ciliata* in, natural enemies of 6831
- cotton in, pest control on 5211, 7396
- crops in, pesticide residues in 5146
- Cydia anaranjada* in, on *Pinus* 911
- Dasyhelea* spp. in 6434
- Dendroctonus ponderosae* in, on *Pinus* 1512, 4411, 5664
- Diatraea grandiosella* in 6425
- Diprion similis* in 4402
- Dutch elm disease in 6218
- Eichhornia crassipes* in
 - Neochetina bruchi* for biological control of 6658
 - N. eichhorniae* for biological control of 6658
- Epicauta* spp. in 4604
- Epilachna varivestis* in, on bean 5603
- foodstuffs in, pesticide residues in 5140, 6951, 7646
- fruit trees in, pests of 5555
- Heliothis* spp. in
 - natural enemies of 897
 - on cotton 897
- Heterocordylus malinus* in, on apple 2014
- Hylurgopinus rufipes* in 3736
- Ips avulsus* in, on *Pinus* 413
- I. calligraphus* in, on *Pinus* 413
- I. grandicollis* in, on *Pinus* 413
- Loxostege* spp. in 7032
- Lygidea mendax* in, on apple 2014
- Lymantria dispar* in 993, 2263, 5039
- man in
 - organochlorine residues in 3320
 - pesticide residues in 6387
- Microctonus aethiopoides* in 4602
- Nitidulidae in, in stored maize 1846
- nut trees in, pests of 5555
- orchards in, pest control in 7542
- Ostrinia nubilalis* in, on maize 3584–3588
- pest control in 4589
 - future trends in 991
 - restrictions on 992
- pesticide use in 3970
- pesticides in 6954
- Pissodes terminalis* in, on *Pinus* 5664
- plant protection in 3830
- Plecia nearctica* in 6475
- Popillius disjunctus* in 5470
- Popillia japonica* in 2691
- Pristiphora erichsonii* in, natural enemies of 3547
- Quediini in 7019
- Reticulitermes flavipes* in 2738

United States of America *contd.*

- Scaphytopius acutus* in 2332
- Scoloposcelis* spp. in 7015
- Scolytidae in 1721
- Scolytus multistriatus* in 3736
 - on *Ulmus* 2132
- shrubs in, pests of 5687
- soil in, pesticide residues in 5146
- Sphingidae in 2320
- Stemmatomerinx* spp. in, on grasses 6702
- stored products in
 - pest control in 444
 - pests of 3089
- sugar-cane in, pest control on 238
- Tetranychidae in 5371
- Xylocoris* spp. in 7015
- ununguis*, *Oligonychus*
- Uracil (see 2,4(1*H*,3*H*)-Pyrimidinedione)
- Uracil, 5-fluoro- (see 2,4(1*H*,3*H*)-Pyrimidinedione, 5-fluoro-)
- urbanus*, *Byturus*
- Urbanus dorantes*
 - in USA 4336
 - on *Desmodium tortuosum*, in Florida 4336
 - on *Phaseolus*, development of 4336
 - taxonomy of, characters distinguishing *U. proteus* and 4336
- Urbanus proteus*
 - in Colombia 3540
 - in USA 4336
 - on *Desmodium tortuosum*, in Florida 4336
 - on *Phaseolus*
 - development of 4336
 - in Colombia 3540
 - on soy bean, in Colombia 3540
 - parasitised by, *Blondelia* spp., in Colombia 3540
 - taxonomy of, characters distinguishing *U. dorantes* and 4336
- Urd (see *Vigna mungo*)

Urea

- in *Aphytis melinus*, toxicity of 2898
- in cattle, effects on insecticide residues of 3295
- in *Heliothis virescens*, effects on melanisation of 3342
- in *Manduca sexta* feces 4054
- Urea, *N,N*-dimethyl-*N'*-(octahydro-4,7-methano-1*H*-inden-5-yl)-, (3*α*,4*α*,5*α*,7*α*,7*α*)- (see Noruron)
- Urea, (2,5-dioxo-4-imidazolidinyl)-, in *Manduca sexta* feces 4054

Urease, in *Dasineura amaramanjarae* gut 4038

Urena lobata, *Haedus vicarius* on, in Thailand 1200

urens, *Megalopyge*

Urentius hystricellus
in Thailand 1200

***Urentius hystricellus* contd.**

- on eggplant, in Thailand 1200
- Urethane (see Carbamic acid, ethyl ester)
- Urethane, ethylene-bis-nitro- (see Carbamic acid, 1,2-ethanedithylbis[nitro-])
- Urginea maritima*
 - Asphondylia* spp. on, in Cyprus 5538
 - A. gennadii* on, in Cyprus 5537
- urgo*, *Apanteles*
- Uria aalge*
 - DDE in, metabolism of 3306
 - phenols in, toxicity of 3306
- Uric acid (see 1*H*-Purine-2,6,8(3*H*)-trione, 4,9-dihydro-)
- Uricase (see Oxidase, urate)
- Uridine, in *Trichoplusia ni*, parasite inhibiting incorporation into RNA of 788
- Urine, parathion in, determination of 7151
- Urocerus*, cytoplasmic polyhedrosis virus in 2151
- Urocerus augur augur*
 - in Irish Republic 4154
 - on *Abies nobilis*, in Irish Republic 4154
 - on *Picea sitchensis*, in Irish Republic 4154
 - parasitised by, *Rhyssa persuasoria*, in Irish Republic 4154
- Urocerus californicus*
 - in USA 3741
 - on *Abies concolor*, in USA 3741
 - on *Abies lasiocarpa*, in USA 3741
- Urocerus gigas*
 - in Irish Republic 4154
 - in UK 4154
 - on conifers
 - in Irish Republic 4154
 - in Northern Ireland 4154
 - parasitised by
 - Rhyssa persuasoria*
 - in Irish Republic 4154
 - in Northern Ireland 4154
- Uroleucon compositae* (see *Macrosiphum*)
- Uroleucon picridis*, preyed on by, *Micromus angulatus* 6021
- Uroleucon pseudambrosiae*
 - control of
 - insecticides for 4925
 - reflective mulches for 4925
 - cucumber mosaic virus in, transmission of 4925
 - in USA 4925
 - on lettuce, in New York 4925
 - traps for 4925
- Uroleucon richardsi*
 - in USA 5919
 - on *Grindelia squarrosa*, in Utah 5919
- Uroleucon sonchi*
 - cardamom mosaic virus in, transmission of 145
 - in India 145

- Uromastix*, preying on, *Schistocerca americana* 5093
- Urophora*, cross-mating with *Chaetorellia* in 5333
- Urophora affinis*, rendezvous behaviour in 5333
- Urophora cardui*
biology of 4817
on *Carduus acanthoides* 4817
on *Cirsium arvense*, and biological control using, in Canada 4817, 7214
on *Cirsium vulgare* 4817
- Urophorus humeralis*
associated with, *Eldana saccharina*, in Tanzania 260
in Tanzania 260
- Urophyllina ussuriensis*
in USSR 6628
parasitising, cockchafers, in Maritime Territory 6628
- Uroplata girardi*, on *Lantana camara*, and biological control using, in Queensland 2746
- urozonus*, *Eupelmus*
- Urtica*, *Agapanthia villosiviridescens* on, in Italy 1979
- Urtica dioica*
aphid natural enemies on, in England 5480
Microlophium carnosum on, in England 5480, 6655
- urticae*, *Aglais*
- urticae*, *Tetranychus*
- urticae*, *Trioza*
- Uruguay
Cornops aquaticum in
on *Eichhornia* 2762
on *Pontederia cordata* 2762
Drosophila gaucha in 2532
Phthorimaea operculella in
natural enemies of 1277, 1279
on potato 1277
on tobacco 1277
Solenopsis spp. in, natural enemies of 3133
Tripseuxoa strigata in 5404
- uruguayensis*, *Copidosoma* (see *C. koehleri*)
- urussovii*, *Monochamus*
- usitata*, *Erythroneura*
- ussuriensis*, *Urophyllina*
- ustalella*, *Ypsolopha*
- Ustilago maydis*, in, maize 280
- ustulatus*, *Agriotes*
- Utah
Choristoneura occidentalis in, on conifers 5009
Dendroctonus ponderosae in, on *Pinus* 5688
Hypera postica in
natural enemies of 1374
on lucerne 1374
- Utah contd.
Salsola iberica in, *Coleophora parthenica* for biological control of 2758
Trimerotropis spp. in, natural enemies of 6537
Uroleucon richardsi in, on *Grindelia squarrosa* 5919
- Utamphorophora humboldti*
in UK 5409
on *Poa trivialis*, in England 5409
- Utetheisa ornatrix*
flight activity in 4700
in Brazil 694, 4700
traps for 694
- Utetheisa pulchella*, preoviposition period in 4378
- uzbekistanicus*, *Aphidius*
- Vaccinium macrocarpon* (see Cranberry)
- Vaccinium myrtillus* (see Bilberry)
- Vaccinium oxycoccus* (see Cranberry)
- vacculella*, *Ochsenheimeria*
- vadatorius*, *Amblyteles* (see *Eutanyacra picta*)
- vagans*, *Anacanthotermes*
- vagans*, *Calosoma*
- vagelineata*, *Cephaloleia*
- vagella*, *Homoeosoma*
- Vagoiavirus cossi* (see *Entomopoxvirus*)
- Vagoiavirus melolonthae* (see *Entomopoxvirus*)
- Valanga irregularis*, feeding behaviour in 4697
- valdiviae*, *Ceroglossus*
- valens*, *Dendroctonus*
- Valeriana officinalis*
Empoasca flavescens on, in Poland 1335
E. pteridis on, in Poland 1335
- Valeric acid (see Pentanoic acid)
- Valexon (see Phoxim)
- valida*, *Sagalassa*
- validicornis*, *Teleonemia*
- validirostris*, *Pissodes*
- validus*, *Apanteles*
- validus*, *Campoplex*, (*Sinophorus*)
- L-Valine
Acyrtosiphon pisum feeding responses to 3405
in *Acheta domesticus* haemolymph 1753
in *Apis cerana* haemolymph 1753
in *Danaus chrysippus* haemolymph 1753
in *Dichocrocis punctiferalis* 4076
in *Dysdercus cingulatus* haemolymph 1753
in *Dysdercus similis* diet, requirement for 7069
in *Hyalophora cecropia*, incorporation into JH of 2443
in *Macrosiphum euphorbiae* 3423
in *Marasmia trapezalis* 4076
in *Mylabris phalerata* haemolymph 1753
in *Onitis distinctus* haemolymph 1753
in *Spodoptera exigua* haemolymph 1753

L-Valine *contd.*

- in sugar-beet, *Lygus disponi* causing increased level of 868
- in *Tetrastichus israeli* diet, requirement for 6640
- in *Viteus vitifoliae* 2859
- in wheat, effects of insecticides on 274
- Vallisneria**, *Hydrellia* spp. on 2749
- Vamidothion** (*O*,*O*-dimethyl *S*-[2-[[1-methyl-2-(methylamino)-2-oxoethyl]thio]ethyl] phosphorothioate)
 - against
 - Aeneolamia varia*, on sugar-cane 1935
 - Amrasca biguttula*, on cotton 1484
 - Aphanostigma piri*, on pear 2018
 - Aphis fabae* 5193
 - A. gossypii*, on cotton 1484
 - Athalia lugens*, on radish 356
 - Bemisia tabaci*, on bean 4939
 - Brevicoryne brassicae*, on cabbage 4921
 - Coccus viridis*, on coffee 2106
 - Dysmicoccus cryptus*, on coffee 4988
 - Earias* spp., on cotton 1484
 - Laodelphax striatella*, on rice 835
 - Myzus persicae*
 - on cabbage 2282
 - on *Gerbera jamesonii* 1501
 - Pectinophora gossypiella*, on cotton 1484
 - Pristiphora abietina*, on *Picea abies* 1525
 - Quadraspidiotus perniciosus*, on apple 328
 - Saccharosydne saccharivora*, on sugar-cane 1934
 - Tetranychus arabis* 3001
 - on cotton 891
 - T. cucurbitacearum* 3001
 - on cotton 891
 - T. urticae*, on *Gerbera jamesonii* 1501
 - effects of rainfall on toxicity of 509
 - in *Apis mellifera*, toxicity of 1043
 - in bean fields, non-target effects of 4939
 - in *Coccinella septempunctata*, toxicity of 2282, 3294, 3955
 - in *Dicyphus eckerleini*, toxicity of 3294
 - in *Episyrrhus balteatus*, toxicity of 3955
 - in *Macrolophus rubi*, toxicity of 3294
 - in *Metasyrphus corollae*, toxicity of 3955
 - in *Metasyrphus luniger*, toxicity of 3955
 - Vanapa oberthueri**
 - control of, crop management for 3063
 - in Papua New Guinea 3063
 - on *Araucaria cunninghamii*, in Papua New Guinea 3063
 - population structure of 3063
 - Vanellus vanellus**, eggs of, organochlorine residues in 1047
 - Vanessa polychloros**
 - control of 7320
 - in Yugoslavia 7320

Vanessa polychloros *contd.*

- on cherry
 - damage caused by 7320
 - in Yugoslavia 7320
- Vanilla**, *Mertilanidea fasciata* on, in New Guinea 6031
- Vanillin** (see Benzaldehyde, 4-hydroxy-3-methoxy-)
- Vapona** (see Dichlorvos)
- vaporariorum**, *Trialeurodes*
- varia**, *Aeneolamia*
- varia**, *Atherigona*
- varia**, *Cuphocera*
- varia**, *Metaphycus*
- variabile**, *Trogoderma*
- variabilis**, *Cerataphis*
- variabilis**, *Erythroneura*
- variabilis**, *Hypera* (see *H. postica*)
- variabilis**, *Neobrotica*
- variabilis**, *Phytonomus* (see *Hypera postica*)
- variabilis**, *Sericothrips*
- variana**, *Acleris*
- variata**, *Thera*, (*Cidaria*)
- varicornis**, *Leptocoris*a (see *L. acuta*)
- varicornis**, *Physcus*
- variegata**, *Adonia*
- variegatus**, *Myllocerus discolor*
- variegatus**, *Zonocerus*
- variipes**, *Derostenus*
- variolosa**, *Asterodiaspis*
- varipes**, *Caliroa*
- varius**, *Piezotrachelus*
- varivestis**, *Epilachna*
- Varroa jacobsoni**
 - biology of 180, 2729
 - control of 180, 2729
 - distribution of 2729
 - in Taiwan 4745
 - in Thailand 2729
 - life history of 4745
 - parasitising
 - Apis cerana* 180
 - in Thailand 2729
 - A. mellifera* 180
 - in Taiwan 4745
 - in Thailand 2729
- varus**, *Cryptophagus*
- Vasates lycopersici** (see *Aculops*)
- Vasates quadripes**
 - biology of 6822
 - control of 6822
 - in Canada 6822
 - on *Acer rubrum*, in Canada 6822
 - on *Acer saccharinum*, in Canada 6822
- vastator**, *Nipaecoccus*
- vazimba**, *Amblyseius*
- VCS-506** (see Leptophos)
- Vegetable crops**
 - Agrotis ipsilon* on 4332
 - in Indonesia 728
 - arthropod pests of, in East Germany 7160

Vegetable crops *contd.*

- Epichoristodes acerbella* on 407
Hylemya platura on, in Belgium 2653
 insect control on, in Wyoming 1641
 insect pests of, in Finland 6592
Liriomyza sativae on 6756
 mite control on 7666
 mites on, in Egypt 3539
Nezara viridula on, in Egypt 851
 pest control on 7608
 in Poland 6757
 in Sri Lanka 536
 integrated 4514
 pests of 5406
 in Denmark 5400
 in Europe 4488
 in Malawi 7685
 in Mexico 1164
 in West Germany 6993
Psila rosae on, in UK 2956
 Tetranychidae on, in Japan 3838
Tetranychus spp. on, in Turkey 6602
T. truncatus on, in Taiwan 2909
T. turkestanii on, in USSR 6102

Vegetable gardens, pest control in, in
 Tasmania 6915

Vegetable marrow (see Squash)

Vegetables

- fenitrothion in, residues of 526
 parathion in, determination of 7151
 pesticide taints in, avoidance of 7675
 pesticides in, residues of 1600
 pests of, in Malaysia 2678
Vegetables (stored), *Blaps mucronata* in, in
 West Germany 443

velamen, *Heilipus*

veletis, *Gryllus*

velutina, *Anisoplia segetum*

velutinana, *Argyrotaenia*

venata, *Anaphe*

Vendex (see Distannoxane, hexakis(2-methyl-2-phenylpropyl)-)

venerabilis, *Agrotis*

Venezuela

- Aeneolamia* spp. in, in pastures 1365
A. varia in, on sugar-cane 1935–1936
Aleurocanthus woglumi in, on *Citrus*
 338
Antichloris viridis in, on banana 2350
 Chrysomelidae in 5847
 Coccidae in, natural enemies of 209
 cotton in, pests of 2091–2092
Diatraea centrella in, natural enemies of
 253
Eriophyes reyesi in, on cacao 399, 4385
Floracarus theobromae in, on cacao
 4385
Myzus persicae in, on potato 6171
Saccharosydne saccharivora in, on sugar-cane 1934
Tarsonemus pallidus in, on strawberry
 1392

Venezuela *contd.*

- Viteus vitifoliae* in
 on grapevine 2001
 on *Vitis tiliacifolia* 2001
Venoms, cobra 6897
venosana, *Bactra*
venosatus, *Chilo*, (*Diatraea*)
venosus, *Curculio*, (*Balaninus*)
venosus, *Ecdyonurus*
ventrale, *Eurydema*
ventralis, *Rhizobius*
ventralis, *Scolytus*
ventricosus, *Pyemotes*
Venturia canescens (see also *Devorgilla*
canescens)
 life-span in 1303
 parasitising
 Ephestia kuehniella 1303, 2571
 Lepidoptera 6622

Venturia inaequalis
 control of, fungicides for 5569
 in

- apple
 in Austria 2089
 in England 5569

venustus, *Bregmatothrips*

vera, *Chalcis*

veratri, *Aphis*

Veratrum malayanum, *Aphis veratri* on, in
 Philippines 711

verbasci, *Anthrenus*

verbasci, *Aphis*

verbasci, *Asphondylia*

verbasci, *Campylomma*

verbasci, *Neobeegeria*

Verbascum sinuatum, *Asphondylia verbasci*
 on, in Cyprus 5537

Verbascum thapsus, *Neobeegeria verbasci*
 on, in Bulgaria 1333

Verbenol, *trans*- (see Bicyclo[3.1.1]hept-3-en-2-ol, 4,6,6-trimethyl-, (1 α ,2 α ,5 α)-)

cis-Verbenol (see Bicyclo[3.1.1]hept-3-en-2-ol, 4,6,6-trimethyl-, (1 α ,2 β ,5 α)-)

Verbenone (see Bicyclo[3.1.1]hept-3-en-2-one, 4,6,6-trimethyl-)

verecundus, *Conorhynchus*, (*Temnorhinus*)

Vermiculite
 diet component for, *Mastotermes*
darwiniensis 2737

insecticidal activity of, after acid and heat
 treatment 5764

vermiformis, *Cecidophyopsis*, (*Cecidophyes*)

vermilio, *Kermes*

Vermont, *Limenitis archippus* in 625

vernalis, *Tipula*

vernata, *Palaearcta*

Veronica campilopoda, *Thrips tabaci* on, in
 Bulgaria 3700

Verrallia aucta

in UK 5250
 parasitising, *Philaenus spumarius*, in
 England 5250

verreauxi, *Rhopaea*
verruca, *Argyrogramma*
verrucivorus, *Decticus*
versicolor, *Anoplonyx*
versicolor, *Meteorus*
versicolor, *Watshamia*

Vertebrates

entomopathogenic fungi in, pathogenicity
 of 5087

insecticides in, metabolism of 3336

pesticides in, metabolism of 6302

verticillata, *Eurytoma*

Verticillium

control of, fungicides for 6170

in, potato 6170

Verticillium lecanii

in

Brachycaudus helichrysi, biological
 control with, in UK 7581

Coccus pseudomagnoliarum, in Turkey
 1427

Cydia pomonella, in Austria 3252

Eulecanium tiliae, and biological control
 using, in British Columbia 1289

insects, in Israel 7496

Macrosiphoniella sanborni

bioassay for 6332

biological control with, in UK 7581

Myzus persicae, biological control with,
 in UK 6427, 7581

Saissetia oleae

in Iran 6023

in Turkey 6122

insect control using 988

Verticillium psalliotae, in, insects, in Israel
 7496

vesicarius, *Pemphigus*

vesicularis, *Eupelmella*

Vespa germanica (see *Vespa*)

vespertinus, *Conoderus*

Vespidae

control of 6856-6857

in rain forests

in Ecuador 4204

in Panama 4204

preying on, *Heliothis armigera*, in

Thailand 3176

swarming behaviour in 4204

vespiformis, *Franklinothrips*

Vespa

control of, attractants for 3210

traps for 3210

Vespula atropilosa

in USA 2567

seasonal activity of 2567

traps for 2567

Vespula germanica

control of, baits for 5991

in Australia 4203

in France 6732

in New Zealand 4203, 5991

in South Africa 4203

Vespa germanica contd.

preying on, *Cydia pomonella*, in France
 6732

reproduction in 5991

taxonomy of, characters for 4203

Vespa pennsylvanica

in USA 2567

seasonal activity of 2567

traps for 2567

Vespa sulphurea

in USA 2567

seasonal activity of 2567

traps for 2567

vespulae, Reesa

Vetch (see *Vicia*)

Vetch, crown (see *Coronilla varia*)

viatica, *Moraba*

Vibrissina turrita

in France 1091

parasitising, *Caliroa annulipes*, in France
 1091

viburni, *Dentifibula*

viburni, *Lichtensia*

Viburnum, *Acleris schalleriana* on, in

Yugoslavia 4591

Viburnum opulus, *Aphis fabae* on, in France
 5084

vicarius, *Haedus*

Vicia

Acyrtosiphon pisum on

in Switzerland 5740

resistance to 2835

Gastrophysa atrocyanea on 2753

Hypera brunneipennis on, in California
 3604

Oscinella frit on, in USSR 5488

Sitona crinitus on, in Israel 4959

S. lineatus on, in Israel 4959

Vicia cracca, *Aphis cracciae* on, in Turkey
 2536

Vicia dasycarpa, *Bruchus brachialis* on
 3554

Vicia faba

Acyrtosiphon pisum on 2924

development of 862, 4025

distribution pattern of 1180

feeding by 5342

rearing of 2359

Aphidoletes aphidimyza on, oviposition by
 4110

aphids on, in East Germany 5602

Aphis craccivora on, in Egypt 3661

A. fabae on 1028, 2625, 3285

development of 5896

effects of plant growth regulators on
 5143

effects on insecticides of 3935

feeding by 5342

forecasting infestations of 3966

in East Germany 4936

in France 5084

in Sweden 5600

Vicia faba* contd.Aphis fabae* on contd.

in UK 3966

resistance to 3659

A. gossypii on, feeding by 5342*Apion vorax* on, in England 5723

arthropod pests of, in UK 545

Brachycaudus helichrysi on, in Scotland 5601

broad bean stain virus in, in England 5723

Bruchus rufimanus on, in Poland 6769*Copitarsia turbata* on, in Peru 697

cucumber mosaic virus in, infectivity of 5069

Cyrtacanthacris tatarica on 5417

Echtes Ackerbohlenmosaik virus in, in England 5723

insecticides in

effect of washing on persistence of 5194

effects of *Aphis fabae* on movement of 3935*Liriomyza congesta* on, in Egypt

2925–2926, 4777

L. flaveola on, in Peru 697*L. huidobrensis* on

damage caused by 3660

in Argentina 3660

Macrosiphum euphorbiae on, feeding by 5342*Megoura viciae* on, feeding by 5342*Melanagromyza virens* on, in Peru 697*Myzus persicae* on, feeding by 5342

oil emulsion in, toxicity of 5602

Oncometopia alpha on 2375*Ophiomyia phaseoli* on, in Egypt 1448

oxytetracycline in, toxicity of 1028

pea mosaic virus in, aphid transmission of 456, 5726

pests of

in Egypt 3658

in Romania 1980

Poeciloceris hieroglyphicus on 5417*Sitona crinitus* on, in Israel 4959*S. limosus* on, in Israel 4335*S. lineatus* on

in England 5723

in Israel 4959

S. lividipes on, development of 1371*Spodoptera eridania* on, in Peru 697*Syngrapha circumflexa* on, in Egypt 4182*Tetranychus urticae* on, rearing of 5465

virus diseases of, in Israel 6324

viruses in, effects of aphid control on 5602

Vicia faba* (stored seeds)Acanthoscelides obtectus* in, in Bulgaria 453

carbon disulfide in, effects on germination of 3798–3799

Vicia faba* (stored seeds) contd.Lasioderma serricornis* in, development of 4096

pest control in

inert dusts for 3800

insecticides for 3801

phosphine in, effects on germination of 3798–3799

Vicia narbonensis*Aphis fabae* on, resistance to 3659*Myzus persicae* on 3659***Vicia sativa***

pests of, in Romania 1980

Sitona flavescens on, in Yugoslavia 5526*S. sulcifrons* on, in Yugoslavia 5526*S. suturalis* on, in Yugoslavia 5526***Vicia villosa****Acyrtosiphon pisum* on 2924*Bruchus brachialis* on 3554***vicinae, Megoura******vicina, Calliphora******vicina, Musca domestica* (see *M. d. domestica*)*****vicinus, Scapteriscus*****Victoria***Austroplatypus incomptus* in, on *Eucalyptus* 6826*Cardiaspina albitextura* in, on *Eucalyptus* 4400*Chortoicetes terminifera* in 4188*Cydia molesta* in, on peach 2890*C. pomonella* in, on apple 6731*Drosophila melanogaster* in 1814*Emex australis* in, *Apion antiquum* for biological control of 4241*Epiphyas postvittana* in

on apple 4899–4900, 6100, 6731

on pear 4899–4900, 6100

Halotydeus destructor in, in pastures 4879*Macrosiphum miscanthi* in 1937***vicatrix, Alloxyta, (Allotria)******viennensis, Campoletis******viennensis, Tetranychus*****Vietnam***Dendrolimus punctatus* in natural enemies of 3740on *Pinus* 3740***vigintiduopunctata, Thea******vigintioctomaculata, Henosepilachna* (*Epilachna*)*****vigintioctopunctata, Henosepilachna* (*Epilachna*)*****vigintipunctatus, Yponomeuta******vigintiquattuorpunctata, Subcoccinella******vigintiquinque, Pediobius****Vigna, Hedylepta indicata* on, in Brazil 3675***Vigna catjang* (see *V. unguiculata*)***Vigna hosei*, mosaic virus in, in Puerto Rico 1327

- Vigna mungo* (see also *Phaseolus aureus* and *P. mungo*)
Alcidodes collaris on, in Karnataka 7347
Chauliops fallax on, in Himachal Pradesh 7348
Empoasca kerri on, in Delhi 7345
Madurasia obscurella on, in Delhi 7345
Ophiomyia phaseoli on, in Delhi 7345
Vigna radiata (see also *Phaseolus aureus* and *P. mungo*)
Chauliops fallax on, in Himachal Pradesh 7348
Empoasca kerri on
 effects of mung bean yellow mosaic virus on susceptibility to 7349
 in Delhi 7345
Madurasia obscurella on, in Delhi 7345
Ophiomyia phaseoli on, in Delhi 7345
Vigna repens, mosaic virus in 1327
Vigna sesquipedalis (see *V. unguiculata*)
Vigna sinensis (see *V. unguiculata*)
Vigna unguiculata
Acanthomia horrida on, in Nigeria 1456
Agrotis ipsilon on 632
Alcidodes collaris on, in Karnataka 7347
A. leucogrammus on
 damage caused by 4942
 in Nigeria 4942
Anoplocnemis curvipes on, in Nigeria 6159
Aphis craccivora on, feeding by 503, 7061
Autographa gamma on, in Egypt 4182
 bean vein-banding mosaic virus in
 aphid transmission of 2187
 symptoms of 2187
Bruchidius atrolineatus on, in Nigeria 6231
Callosobruchus maculatus on 6229
 in Egypt 3898, 4083
 in Nigeria 6231
 oviposition by 2932
 resistance to 2933
 carbaryl in, effects of 3665
Chalcodermus bimaculatus on
 damage caused by 4947
 feeding preferences of 4944
 in Brazil 4946
Chauliops fallax on
 in Himachal Pradesh 7348
 in Madhya Pradesh 1453
 Cicadellidae on, in Nigeria 6047
 cowpea aphid-borne mosaic virus in
 in Iran 4948
 in Java 2931
 in Punjab 7352
 symptoms of 4948
 cowpea banding mosaic virus in, in Delhi 2053
 cowpea chlorotic spot virus in, in Delhi 2053
 cowpea necrosis virus in, in Delhi 2053
- Vigna unguiculata* contd.
 cowpea phyllody
 causal agent in
 in Tamil Nadu 2930
 symptoms of 2930
Diabrotica speciosa on, in Brazil 4761
Empoasca spp. on, resistance to 7353
E. kerri on, in Delhi 7355
Etiella zinckenella on, in Egypt 3665
Hippelates pusio on 2180
 insecticides in
 effects on root nodulation of 7354
 residues of 4330
Kraussaria angulifera on, in Nigeria 1855
Mamestra brassicae on 632
Maruca testulalis on
 in Nigeria 4339, 7356
 in Uganda 364
 resistance to 7353
Melanagromyza vignalis on, in Nigeria 6231
Mimastra cyanura on, in Himachal Pradesh 7177
 mung bean yellow mosaic virus in,
 infectivity of 4952
Nezara viridula on, in Delhi 7355
 okra mosaic virus in, infectivity of 6145
Ophiomyia phaseoli on
 in Egypt 3665
 in Hawaii 6156
 pest control on, biological 7353
 pests of
 in Egypt 3658
 in Nigeria 6051
Phytomyza horticola on, in Delhi 7355
Picturaphis brasiliensis on 6982
Piezotrachelus varius on, in Nigeria 6231
 pirimiphos-methyl in, residues of 2257
Plusia signata on, in Tamil Nadu 1847
 pod borers on, in Ghana 2257
Psalis pennatula on 6790
Riptortus dentipes on, in Nigeria 6158
Sitona lividipes on, development of 1371
 soy-bean stunt virus in, infectivity of 6876
Spodoptera littoralis on
 development of 3439
 in Egypt 3666
S. litura on 632
Taeniothrips sjostedti on, resistance to 7353
Tetranychus cinnabarinus on, in Egypt 3665
T. urticae on
 effects of irrigation on 5986
 in Egypt 5986
Vigna unguiculata flour
 diet component for
Achaea janata 5926
Elasmopalpus lignosellus 2562

Vigna unguiculata* (stored seeds)Alphitobius diaperinus* in 6314

Bruchidae in, in Niger 6234

Bruchidius atrolineatus in, in Nigeria 6231*Callosobruchus maculatus* in 75, 6229

development of 7119

in Brazil 936

in Egypt 6459

in Nigeria 6231, 6244

resistance to 3667, 7353

Cryptolestes spp. in, development of 3096

pest control in 6234

inert dusts for 3800

insecticides for 3801

vignalis*, *Melanagromyza***viktorovoi*, *Trissolcus******villosoviridescens*, *Agapanthia******viminalis*, *Trichiocampus******Vinca rosea*, *Spiroplasma citri* in, leafhopper**

transmission of 3118

Vineyards

arthropods in, in British Columbia 6095

Drosophila melanogaster in, in West

Germany 1645

Metaseiulus occidentalis in

encouragement of 1402

in California 88, 627

mites in, effects of fungicides on 2253

Pronematus spp. in

effects of pollen applications on 1402

effects of sulfur dusting on 1402

vinitor*, *Nysius***Vinsonia stellifera***

in São Tomé 2846

on coconut, in São Tomé 2846

vinula*, *Cerura(*Dicranula*)***Viola*, *Gastrophysa atrocyanea* on 2753*****violacea*, *Agapanthia******violescens*, *Didymuria*****Violet, *Tetranychus urticae* on, in England 908****Violet, African (see *Saintpaulia ionantha*)*****vipio*, *Apanteles******Virachola isocrates***

in India 7328

on *Phyllanthus emblica*, in Madhya Pradesh 7328***virens*, *Apion******virens*, *Melanagromyza*, (*Agromyza*)*****virescens*, *Cyrtopyx* (see *C. latipes*)*****virescens*, *Heliothis******virescens*, *Nephotettix******virescens*, *Phosphorus******virescens*, *Temnochila******virgata*, *Aelia******virgata*, *Ferrisia******virgata*, *Netelia******virgaureana*, *Cnephasia* (see *C. interjectana*)*****virgifera*, *Diabrotica*****Virgin Islands**

coastal biota in, pesticide residues in 6412

Heliothis virescens in 644, 2942, 4728*H. zea* in 644, 1225, 4728, 4839*Manduca sexta* in, on tobacco 6192**Virginia***Carduus* spp. in, *Ceuthorhynchidius horridus* for biological control of 2377*C. nutans* in, *Rhinocyllus conicus* for biological control of 3566*Dendroctonus frontalis* in, on *Pinus* 3042*Haliaeetus leucocephalus* in, pesticide residues in 6410

man in, pesticide residues in 5814

Oscinella frit in, on grasses 5326*Rhinocyllus conicus* in

natural enemies of 2742, 2761

on *Carduus* 2742on *Carduus nutans* 2761***virginica*, *Xylocopa******virguncula*, *Euproctis******viridana*, *Tortrix******viridanus*, *Myllocerus******viridiaeneus*, *Iridomyrmex purpureus******viridigrisea*, *Austroasca******viridis*, *Antichloris*, (*Ceramidia*)*****viridis*, *Coccus******viridis*, *Numicia******viridis*, *Sminthurus******viridis*, *Tettigella***(*Cicadella*)***viridula*, *Diabrotica******viridula*, *Nezara******viridula*, *Sympiesis******virilis*, *Orconectes******viriplaca*, *Heliothis*, (*Chloridea*)****Viron/H (see *Heliothis* nuclear polyhedrosis virus)****Viruses and virus diseases**

of arthropods 4451

Adoxophyes fasciata 3147*A. orana* 3147, 3842*Aedes aegypti* 953*Agrotis* spp. 6910*A. segetum* 3819, 3855, 6326, 6346*Amsacta albistriga* 6883*Anadevidia peponis* 7494*Anomis flava* 5730*Antheraea pernyi* 953*Apamea sordens* 3856*Aphodius tasmaniae* 1596–1597*Apis mellifera* 6900*Aporia crataegi* 6344*Archips cerasivoranus* 956*Autographa gamma* 3138, 4707*Bellura gortynoides* 2205*Biston betularia* 4388*Bombyx mori* 954, 1586, 2193, 2198, 2220, 3810–3811, 3829, 3849, 7498

Viruses and virus diseases *contd.*of arthropods *contd.*

- Cardiochiles nigriceps* 2224
Chilo suppressalis 3826–3829
Choristoneura fumiferana 469, 2241, 6836, 6848–6851
Chrysodeixis chalcites 6882
Colias eurytheme 472
Coraeus florentinus 4409
Cossus cossus 420
Cydia pomonella 5733, 6112, 6331
Dasychira mendosa 5070, 7492
Dendrolimus pini 1217–1218
D. spectabilis 2192
Dermolepida albohirtum 1596–1597
Diacrisia obliqua 3151
Dictyoploca japonica 3148, 7431
Ectropis bistortata 5738
Epargyreus clarus 3130
Euproctis chrysorrhoea 6344
E. flava 3148
E. similis 485, 2228, 4468, 5076
Euxoa auxiliaris 2211
Galleria mellonella 3126, 3810–3811, 4477, 6347
Gilpinia hercyniae 487
Hadena sordida 3855
Heliothis spp. 5074, 7521
H. armigera 468, 1517, 3858, 4158, 4503, 6330, 6339
H. virescens 2229, 2232
H. zea 1584, 3145, 4476
Hemerocampa leucostigma 4415
H. pseudotsugata 1521
Heteronychus arator 3134
Hyphantria cunea 965, 1242, 1594, 5745, 5980, 6907, 7493
Lambdina fiscellaria 5074
Lathronympha phaseoli 3149
Lepidoptera 4743, 5737
Lymantria spp. 3812
L. dispar 464, 2206, 2208, 2263, 3136, 3144, 3168, 3813–3814, 3820, 4479
L. monacha 1878, 3136
Macdunnoughia confusa 4246
Malacosoma disstria 3068
M. neustria 481, 2221, 6344
Mamestra brassicae 2242, 3855, 4471, 6346
Mythimna unipuncta 472, 2231, 2240, 6338
Neodiprion sertifer 2208, 3136, 5034, 5670, 6348, 7415
Noctuidae 3854, 6918
Orgyia antiqua 912
Oryctes rhinoceros 6357
Othononius batesi 1597, 6044
Panonychus citri 955, 4326, 4466
Pericallia ricini 950
Phthorimaea operculella 879, 1469, 5078
Pieris brassicae 6335

Viruses and virus diseases *contd.*of arthropods *contd.**Pieris* *contd.*

- P. rapae* 471, 1816, 4133
Plathypena scabra 1916, 2058, 3822
Plodia interpunctella 2226, 3097, 4435
Plusia californica 465, 472, 478, 960, 1587, 2204, 2700, 3209, 3817, 6333–6334, 6346, 7489
Plutella xylostella 7490–7491, 7499, 7501
Pseudocoremia suavis 1517
Pseudoplusia includens 3822, 4462
Rachiplusia ou 7489
Rhynchosciara angelae 1585
Sesamia nonagrioides 3131
Sibine fusca 458
Sirex spp. 2151

- Spodoptera exigua* 472, 2240, 6895
S. frugiperda 2204, 3817
S. littoralis 961, 6886
S. litura 488, 2239, 2243, 2245, 3152, 6340, 6508, 6886, 6888–6889, 6895
S. mauritia 4032, 5074
Tarophagus proserpina 4449
Tenebrio molitor 2207
Thymelicus lineola 7493
Thyridopteryx ephemeraeformis 2735
Tipula spp. 7589
T. oleracea 1588, 2202
Trichoplusia ni 388, 463, 472, 478–479, 2200, 2204, 2235, 2240, 3817, 3822, 4467–4468, 7489
Urocera spp. 2151
Wiseana cervinata 1977
Xeris spp. 2151
Zeiraphera diniana 1592, 2244, 3135
biological control using 7624
for biological control 2265
insect control using 487
neutralisation techniques for characterising 3145
pest control using 5974
safety of pest control using 6912
transmitted by mites 5733

of plants

- effects of insect growth regulators on transmission of 3809
effects of oil on transmission of 3114
EPPO quarantine lists for 3875
insect cell cultures for study of 121
techniques for studying transmission of 7157

Viscosity, of *Bacillus thuringiensis*

formulations 3169

vishnou, *Trabala*

Vitamin A

- diet component for, *Pieris brassicae* 2402
in *Tribolium castaneum* diet, effects on insecticide susceptibility of 1026

Vitamin B

diet component for

Ephialtes roborator 663

Heliothis zea 1227

Tribolium castaneum 6496

in *Tribolium castaneum* diet, effects on insecticide susceptibility of 1026

Vitamin C (see L-Ascorbic acid)**Vitamin E**

diet component for, *Spodoptera litura* 1239

in *Heliothis armigera* diet, effects on diapause of 1167

in *Spodoptera exempta* diet, effects on egg-hatch of 4098

Vitamins

diet component for

Aegeria pictipes 1845

Agrotis segetum 6572

Chilo suppressalis 134

Cydia pomonella 3254

Diatraea saccharalis 237

Diparopsis castanea 1840

Ephialtes roborator 663

Eurygaster integriceps 5388

Galleria mellonella 7067

Heliothis zea 1227

Hydraecia micacea 1238

Hyphantria cunea 965, 1242

Macrosteles fascifrons 1835

Mamestra brassicae 6573

Metasyrphus corollae 1121

Myzus persicae 1836

Pectinophora gossypiella 3491

Phryxe caudata 1235

Semiadalia undecimnotata 2570

Spodoptera litura 1239

Syrphidae 1121

Galerucella griseocens feeding response to 586

in *Anthrenus flavipes* diet, effects on feeding of 4053

in *Enaphalodes rufulus*, effects of light on 4079

in insect diets 139

in wool textiles, effects on insect feeding of 6277

viteana, Paralobesia**Vitellogenin**

in *Blattella germanica* 7051

in *Hyalophora cecropia* 7051

in *Locusta migratoria* 744

in *Macrotermes subhyalinus*, synthesis of 2739

Vitellus insularis

defensive secretion of 583

in Fiji 583

on guava, in Fiji 583

Viteus vitifoliae

amino acids in 2859

biology of 2001

Viteus vitifoliae contd.

control of, insecticides for 313, 2001, 2594

in Canada 6095

in USSR 313

in Venezuela 2001

on grapevine 2592, 2594

damage caused by 5960

in Azerbaijan 313

in British Columbia 6095

in Venezuela 2001

resistance to 2593

on *Vitis tiliaefolia*, in Venezuela 2001

predators of, in Venezuela 2001

taxonomy of 2001

Vitex, Tetranychus viticis on, in China 1851

Vitex negundo, chopped leaves of, against, *Sitotroga cerealella* 937

viticis, Tetranychus

viticola, Cirrospilus

vitifoliae, Viteus

(*Phylloxera*)

vitifolii, Dactylosphaera (see *Viteus vitifoliae*)

vitigineusgemma, Eriophyes

vitis, Anomala

vitis, Calepitrimerus

vitis, Eotetranychus carpini

vitis, Eriophyes, (Colomerus)

vitis, Margarodes

vitis, Phyllocoptes

vitis, Planococcus (see *P. ficus*)

Vitis tiliaefolia, Viteus vitifoliae on, in Venezuela 2001

Vitis vinifera (see Grapevine)

Vitis vinifera (dried fruit) (see Raisins and sultanas)

vitium, Margarodes (see *M. vitis*)

vitripennis, Nasonia

vitripennis, Paluda

vitripennis, Syrphus

vittata, Lenodora

vittata, Phyllotreta

vittata, Trichoplusia

vittaticollis, Galerucella (see *G. griseocens*)

vittatus, Cirrospilus

vittella, Earias

vittula, Phyllotreta

Viviania cinerea

biology of 6027

in Romania 6027

parasitising, *Zabrus tenebrioides*, in Romania 6027

Voandzeia subterranea (stored seeds), pest control in 6234

voelkeri, Dysdercus

Vofatoks (see Methyl-parathion)

Vogtia malloi

in Argentina 2747, 3563

Vogtia malloi *contd.*

- on *Alternanthera philoxeroides*
- and biological control using
- in South Carolina 2747
- in USA 3563

Volaton (see Phoxim)**Volck oil** (see Oil emulsions)**Volck Supreme oil** (see Oil emulsions)

- Voles**, preying on, *Microdiprion pallipes*, in
- West Germany 930

volgensis, *Trissolcus reticulatus***volucre**, *Praon***vomitioria**, *Calliphora***vorax**, *Apion***vorax**, *Trichospilus***Voria ruralis**

- adults of, distinguishing sexes of 1107
- chromosomes in 2451
- in France 548
- in Yugoslavia 4707
- parasitising
- Autographa gamma*, in Yugoslavia 4707

Plusia festucae, in France 548*Trichoplusia ni* 2451

- pesticides in, toxicity of 5205

vorontzowi, *Ips*, (*Pityokteines*)**Voteksit** (see Trichlorphon)**VUAgT 93** (see Phenol, 2-

[(methylthio)methyl]-, methylcarbamate)

VUAgT 113 (see Phenol, 5-methyl-2-

[(methylthio)methyl]-, methylcarbamate)

vulgaris, *Chrysopa* (see *C. carnea*)**vulgaris**, *Melolontha* (see *M. melolontha*)**vulgaris**, *Phryxe***vulgaris**, *Pterostichus***vulgaris**, *Scambus***vulgaris**, *Typhlodromus***Vulgichneumon**

- descriptions of 1302
- parasitising, *Spodoptera mauritia*, in
- Sarawak 1302

Vulgichneumon leucaniae 1302**Vulgichneumon saturatorius**

- in Bulgaria 7189
- parasitising, *Mamestra brassicae*, in
- Bulgaria 7189

Vulgichneumon taiwanensis

- in Japan 815
- parasitising, *Sesamia inferens*, in
- Kagoshima Prefecture 815

vulnerator, *Pristomerus***vulneratus**, *Polymerus***vulpinus**, *Dermestes* (see *D. maculatus*)**Vydate** (see Oxamyl)**Wahlgreniella nervata**

- in UK 5409
- on rose, in England 5409

walkerii, *Acostemma***walkerii**, *Nasutitermes***walleyi**, *Orgilus***Walnut**

- Amyelois transitella* on, in California 4304

Chromaphis juglandicola on, in California 1413*Clavaspis disclusa* on, in California 318

- Cydia pomonella* on
- development of 4308
- in California 3610

Eulecanium tiliae on, in Armenia 7307*Panaphis juglandis* on 2513

in California 1413

Schizura concinna on, in California 1320*Xanthomonas* spp. in 7295**Walshia miscecolorella**

- on *Melilotus*, resistance to 2835
- on *Trigonella*, resistance to 2835

Walshomyia cupressi

- in USA 6998
- on *Cupressus*, in California 6998
- parasitised by, *Pseudencyrtoides cupressi*, in California 6998

walsinghami, *Hedya***waltoni**, *Alcidodes***Warehouses**

- Aglenus brunneus* in, in Yugoslavia 5045
- Carpophilus dimidiatus*, in, in Yugoslavia 5045

insects in

- in Maharashtra 1549
- in Portugal 1540

Monotoma quadrifoveolata in, in Yugoslavia 5045*Phthorimaea operculella* in, in India 4649

stored-product insects in, detection of 5706

stored products in, in Portugal 1541

wasakii, *Mogannia***Washington State***Aculus fockeui* in, on plum 4910*Agrilus anxius* in, on *Betula* 3060*Anarsia lineatella* in 2416aphids in, on *Betula* 3060

apple in, pest management on 6730

bees in 3210

Callorhinus ursinus in, pesticide residues in 5383*Chrysopa* spp. in 1309*Cydia pomonella* in 4308, 7303

on apple 1221, 2530, 2877, 3224

Dendroctonus ponderosae in, on *Pinus* 5658

estuarine fauna in, pesticide residues in 6409

grasshoppers in 3319

Hemerocampa pseudotsugata in, on *Pseudotsuga* 1515

marine fauna in, pesticide residues in 6409

Melanophila drummondi in, on *Pinus* 1511

Washington State contd.*Melanophila contd.**M. gentilis* in, on *Pinus* 1511*Myzus humuli* in, on hop 1337, 4820*M. persicae* in

on peach 3633

on weeds 3633

Otiorynchus sulcatus in 1739*Panonychus ulmi* in, on plum 4910

pea in, pests of 2928

Phytocoris tiliae in 7127*Pnyxia scabiei* in, on potato 7372*Psilopa leucostoma* inon *Atriplex* 1465

on sugar-beet 1465

seals in, organochlorine residues in 3322

Sitona hispidulus in, on lucerne 305*Tetranychus mcdanieli* in, on plum 4910*T. urticae* in

on hop 1336-1337, 4820

on strawberry 1391

Tipula paludosa in

in turf 2824

on forage crops 2824

Vespa spp. in 3210**Waste solids, insecticides in, effects of**
composting on 7645**Water** γ -BHC in, solubility of 4528

carbamates in, fate of 5785

carbaryl in, residues of 4580

dieldrin in, solubility of 4528

3,5-dimethylphenyl methylcarbamate in,
residues of 4580

grandlure in, degradation of 6990

in Acari, regulation of 7166

in *Achaea janata*

insecticides causing loss of 6398

insecticides increasing loss of 3893

in *Apis mellifera*, effects of *Nosema apis*

on consumption of 5075

in *Chortoicetes terminifera*, ingestion of
5419in *Chortoicetes terminifera* eggs, control
of entry of 6466

in cotton

effects on *Aphis gossypii* of 1815effects on *Tetranychus arabis* of
1815in *Drosophila pseudoobscura*, regulation
of 3425in *Ephestia cautella*, relation of

oviposition and consumption of 4103

in Lepidoptera, antennal receptors for
2432in locusts, effects of diet on regulation of
1255in okra, effects of yellow-vein mosaic virus
infection on 1439in *Pinus sylvestris*, effects on *Ips*
sexdentatus of 2514in *Tetranychus urticae*, effects of 2524**Water contd.**

metalkamate in, degradation of 523

thiofanox in, determination of 4582

Water hyacinth (see *Eichhornia crassipes*)**Water lily, yellow** (see *Nuphar advena*)**Water milfoil** (see *Myriophyllum spicatum*)**Water sprays, against, *Panonychus citri*, on**
Citrus 339**Watercress** (*Nasturtium officinale*)*Isoneurothrips australis* on, in Peru 1092**Watermelon** (*Citrullus vulgaris*)

aphids on, in Florida 457

Aphis gossypii on, insecticide
susceptibility of 4934arthropods associated with, in Colombia
4739*Aspidiotus nerii* on 5102*Dacus ciliatus* on, in Pakistan 2922*D. cucurbitae* on, in Pakistan 2922*Diabrotica speciosa* on, in Brazil 4761*Graphognathus leucoloma* on, in New
Zealand 3605*Neophyllotocus undarus* on, in
Queensland 5838*Palpita indica* on, in Uttar Pradesh 4334*Poecilolocus pictus* on, in Haryana 7169*Tetranychus cucurbitacearum* on, in
Egypt 1445*T. urticae* on

effects of irrigation on 5986

in Egypt 5986

watermelon mosaic virus in, in Florida
457**Watermelon extract, *Spodoptera littoralis***

feeding responses to 2670

Watermelon mosaic virus

in

aphids, transmission of 457, 4295

lucerne 4295

Melothria pendula, in Florida 457*Myzus persicae*, transmission of 457

watermelon, in Florida 457

Waters, natural

atrazine in, residues of 6989

DDE in, residues of 6989

dieldrin in, residues of 6989

mirex in, residues of 5149

organochlorine insecticides in, residues of
6421, 7680

pesticides in

books on 6389

residues of 7561

tetrachlorvinphos in, residues of 2140

Waters, potable

atrazine in, residues of 6989

BHC in, residues of 148

DDE in, residues of 6989

dieldrin in, residues of 6989

Watersheds

BHC in, residues of 4579

DDT in, residues of 5212

dieldrin in, residues of 5212

- watersi*, *Diparopsis*
Watshamia, gen. n., description of 559
Watshamia malaica
 sp. n., description of 559
 in Malaysia 559
 parasitising, *Asphondylia* spp., in Malaya 559
Watshamia turneri
 sp. n., description of 559
 in South Africa 559
Watshamia versicolor
 sp. n., description of 559
 in South Africa 559
Wattle (see *Acacia*)
Wattle, black (see *Acacia mearnsii*)
Waxes and waxy substances
 in *Calliphora vomitoria* cuticle 1750
 in *Cydia pomonella* cuticle 1750
 in *Dactylopius confusus* 5145
 in *Eristalis tenax* cuticle 1750
 in *Galleria mellonella* diet, digestion of 7066-7067
 in *Kermes kingii*, covering eggs 3450
 in *Manduca sexta* pupal epicuticle, effects of diapause on synthesis of 2417
 in *Melanophila acuminata* infrared sensory pit 4658
 in *Paraprociphilus tessellatus* 5145
 in *Pineus orientalis* protective covering 5676
 in *Schistocerca americana* cuticle 1750
 in *Sphaeraspis prieskaensis* larval cysts 5960
Weedazol (see Aminotriazole)
Weeds, *Lygus lineolaris* on, in Quebec 7334
Weevil (see Curculionioidea)
weisei, *Podagrica*
wellsi, *Paracheyletia*, (*Cheyletia*)
wesmaeli, *Pristiphora*
Wesmaelia pendula
 in USA 1168
 parasitising
Nabis alternatus, in Arizona 1168
N. americoferus, in Arizona 1168
wesmaelii, *Opius*, (*Biosteres*)
Wesson's salts
 diet component for
Cydia pomonella 3254
Hyphantria cunea 1242
Pectinophora gossypiella 3491
West Indies
Nomophila nearctica in 5343
 Psychidae in 2335
West Virginia, wood-boring insects in, in *Quercus* timber 5065
Western Australia
Emex australis in, *Apion antiquum* for biological control of 4241
Heliothis spp. in
 on cotton 7522
 on sunflower 6791
Western Australia contd.
 man in, pesticide residues in 6978
Nysius vinitor in, on sunflower 6791
Phthorimaea operculella in
 natural enemies of 1469
 on potato 1469
Spodoptera litura in 568
Western Samoa
Oryctes rhinoceros in 4106
 on coconut 3612
 Platypodidae in 5674
 Scolytidae in 5674
Western X-disease (see Peach western X-disease)
Wheat (see Yeasts)
Wheat (*Triticum* spp.)
Aceria tosichella on 2325
A. tulipae on
 in Kansas 2779
 resistance to 2779
Acrida bicolor on, colour development in 2689
Acyrtosiphon dirhodum on 3892
 damage caused by 6043
 effects of sowing date on 6043
 in Belgium 821
 in Chile 688, 5489, 6043
 in West Germany 5487
 varietal preferences of 4251
A. festucae on, in Belgium 821
A. longicaudatum on, in Himachal Pradesh 7135
Aelia spp. on
 damage caused by 5494
 in Bulgaria 1347, 1940-1941, 5494
 in Romania 6917
Aethus laticollis on, in Punjab 3366
Agriotes spp. on, in England 1060
Agromyza intermittens on, in Yugoslavia 4831
A. nigrella on, in Yugoslavia 4831
Agropyron mosaic virus in, eriophyid transmission of 5495
Agrotis exclamatoris on, in East Germany 375
A. segetum on
 in East Germany 375
 rearing of 6528
 aldrin in
 effects on amino acids of 274
 effects on germination of 3582
 metabolism of 1703
 toxicity of 6042
Anaphothrips obscurus on, in Peru 1245
Anisoplia spp. on, in Turkey 3316
Apamea sordens on
 forecasting infestations of 3856
 in Kazakhstan 3856
 aphids on
 forecasting infestations of 1939
 in Bulgaria 1939
 in Haryana 6449

Wheat contd.

- aphids on contd.
in UK 4254
- Atherigona naqvii* on
effects of fertilizers on 7233
effects of sowing date on 7233
in Delhi 7233
- A. simplex* on
in Madhya Pradesh 4832
varietal preferences of 4832
- Bagrada hilaris* on, in Pakistan 1338
barley yellow dwarf virus in
effects of 3577
in Chile 7479
in Turkey 6038
barley yellow stripe, causal agent in, in
Turkey 6038
- BHC in
effects on germination of 3582
toxicity of 6042
- γ -BHC in
effects on amino acids of 274
residues of 1050
toxicity of 5490
- Bibio ferruginatus* on, in USSR 5491
- Brachycolus* spp. on, toxemia caused by
6038
- Caloglyphus anomalus* on, in Manitoba
4747
- Carpocoris pudicus* on, in Pakistan 1338
- Cephus cinctus* on, in Alberta 277
- cereal tillering disease, causal agent in,
symptoms of 3803
- Cetema elongata* on, in West Germany
1611
- C. transversa* on, in West Germany 1611
- Chirothrips frontalis* on, in Peru 1246
- Chlorops mugivora* on, in Japan 5840
- C. pumilionis* on, in Poland 1349
- Contarinia tritici* on
in West Germany 822, 1276, 3581
resistance to 3581
- cotton insects on, in Arizona 3714
- DDT in
effects on amino acids of 274
residues of 1050, 5210
- Delia coarctata* on
arrestant for 6462
in England 7229, 7587
in Scotland 7229
in UK 7586
- Diptera on
in Romania 2769
resistance to 2769
- diseases of, in Europe 2770
- Dolycoris indicus* on, in Pakistan 1338
- Elateridae on, in England 4827
- endrin in, effects on amino acids of 274
- Euproctis virguncula* on, in Punjab 1345
- Eurygaster* spp. on
damage caused by 2783, 5494
in Bulgaria 1347, 1940–1941, 5494

Wheat contd.

- Eurygaster* spp. on contd.
in Romania 2783, 6917
in Turkey 2775
- E. austriaca* on, rearing of 4176
- E. integriceps* on
damage caused by 2780
effects of harvesting date on 7234
effects of plant density on 7234
in Bulgaria 1939, 4065
in Caucasus 4809
in Kazakhstan 7235
in Pakistan 1338
in Romania 4255
in Turkey 7663
in Ukraine 5752
in USSR 2780, 4811, 7234
rearing of 1838
- E. maura* on, rearing of 4176
- Euscelis plebeja* on, histoid enations
associated with 6038
- fonofos in, effects of 7587
- fungicides in, toxicity of 3316
- Graphognathus leucoloma* on, in New
Zealand 3605
- Hadena sordida* on
damage caused by 7239
effects of deep ploughing on 7236
in Kazakhstan 7236, 7239
- Haplodiplosis marginata* on, in Bulgaria
1942
- Haplothrips tritici* on
in Bulgaria 7237
in Romania 1348, 6917
- Harpalus tridens* on 1358
- Helophorus nubilus* on
damage caused by 7238
in East Germany 7238
- Hydrellia griseola* on, in Yugoslavia
4831
- Hylemya coarctata* on
damage caused by 275
in East Germany 275, 5490
in England 800, 1060
- H. platura* on, in Yugoslavia 4831
- H. securis* on, in West Germany 1611
- insect pests of
effects of crop rotation on 6917
effects of fertilizers on 6917
- insect resistance in 6377
- insecticides in
residues of 7663
toxicity of 3316
- Javesella pellucida* on 3803
development of 4256
in Sweden 1943
- Lachnosterna consanguinea* on, in
Rajasthan 999
- Lema gallaeciana* on
damage caused by 2773
in Poland 2772–2773

Wheat *contd.*

Limoni *dubitans* on, development of 2491

Lygus rugulipennis on
damage caused by 1850
in Finland 1850

Macrosiphum avenae on
assessing infestations of 2781
damage caused by 6677
effects of 3577
in Austria 7228
in Belgium 821
in Canada 6041
in Chile 5489
in East Germany 4252, 5496
in Romania 6917
in South Dakota 1344
in Ukraine 5752, 6677
in West Germany 2781, 5487
varietal preferences of 4251

M. miscanthi on, in New Zealand 2269

Mayetiola destructor on
effects of sowing date on 5492
in Georgia (USA) 6045
in Kansas 5493
in Kazakhstan 5492
resistance to 5493

Melanoplus sanguinipes on 1251
damage caused by 823
in Saskatchewan 823

Melanotus depressus on, development of 2491

methyl-parathion in, scorching caused by 7237

Muellerianella fairmairei on, development of 6529

Nezara viridula on, in Pakistan 1338

Ochsenheimeria vacuolella on, in USA 2349

Opomyza spp. on, in England 7229

Oria musculosa on 270

Oscinella frit on

in England 4827

in USSR 5488

O. pusilla on, in USSR 5488

Othnonius batesi on, in New South Wales 6044

Oulema melanopus on
damage caused by 2773

in Bulgaria 272, 1941

in Michigan 6676

in Poland 2772-2773

in Yugoslavia 778, 1343

resistance to 1343, 2782, 5754, 6676

Persectantia aversa on, in New Zealand 2269

pest control on

in New Zealand 3182

in Wyoming 2259

pests of

effects of tillage on 5958

in East Germany 4522

Wheat *contd.*

pests of *contd.*

in Europe 2770

in South Africa 5958

phorate in, metabolism of 3920

Phyllophaga crinita on, in Texas 6074

Pyrilla perpusilla on, in India 5482

Rhopalosiphum maidis on

effects of 3577

in Texas 7276

R. padi on 3892

assessing infestations of 2781

damage caused by 6672

in Belgium 821

in Canada 6041

in East Germany 5496

in New Zealand 2269

in South Dakota 1344

in USSR 6672

in West Germany 2781, 5487

Rhyzopertha dominica on 6229

Schizaphis graminum on

damage caused by 6672

in Canada 6041

in South Dakota 1344

in Texas 7276

in Ukraine 5752

in USSR 6672

Selatosomus latus on, damage caused by 6587

Sipha kurdjumovi on, in Canada 6041

Sitodiplosis mosellana on

in West Germany 822, 3581

resistance to 3581

Sitona spp. on, in Iran 5842

Sitotroga cerealella on, in Egypt 5710

Steneotarsonemus panshini on

damage caused by 6675

in Kazakhstan 6675

in RSFSR 6675

Tana paulseni on, in Chile 685

termites on 6042

Thrips tabaci on tobacco crops preceded by 2100

Tripeuxoa strigata on, in Uruguay 5404

viruses in, techniques for studying

transmission of 7157

wheat streak mosaic virus in

in Kansas 2779

mite transmission of 3804

wheat striate mosaic virus (European) in,

in Turkey 6038

wireworm orientation to 4744

Zabrus spp. on, in Turkey 3316

Z. tenebrioides on

forecasting damage by 6674

in USSR 6674

Zyginidia quyumi on, in Pakistan 2776

Wheat bran

bait component for

Agrotis exclamatoris 375

A. segetum 375

Wheat bran contd.bait component for *contd.**Peridroma saucia* 511*Spodoptera littoralis* 3288, 7570

bromophos in, residues of 6285

1,2-dibromoethane in

determination of 4575

residues of 4575

diet component for

Ceratitis capitata 3231*Mamestra brassicae* 7068*M. illobis* 7068*Melanoplus sanguinipes* 5085*Plutella xylostella* 7068

fumigants in, residues of 1053

in *Corcyra cephalonica* diet, effects on

fumigant susceptibility of 1668

Wheat bread

bromophos in, residues of 6285

fumigants in, residues of 1053

Wheat fields

Carabidae in, in Yugoslavia 2598

Collembola in, in East Germany 2603

Elateridae in, in Yugoslavia 2598

invertebrates in, effects of direct drilling on 4827

mites in, in East Germany 2603

predatory arthropods in

in Texas 7276

in UK 4254

small mammals in, in UK 1060

soil arthropods in, effects of fertilizers on 2602

termites in, in Haryana 3582

Wheat flour

bromophos in, residues of 6285

Callosobruchus chinensis in 3095*Corcyra cephalonica* in 1157, 1565*Cryptolestes pusillus* in, feeding preferences of 7458

1,2-dibromoethane in

determination of 4575

residues of 4575

diet component for

Corcyra cephalonica 2486*Galleria mellonella* 3508*Tribolium castaneum* 1019, 5292

effects of irradiation of grain on 6265

endrin in, determination of 829

fumigants in, residues of 1053

in *Corcyra cephalonica* diet, effects on

fumigant susceptibility of 1668

insect excreta in, in Peru 680

Oryzaephilus mercator in

development of 3103

feeding preferences of 7458

O. surinamensis in

development of 1799

feeding preferences of 7458

pest control in

fumigants for 3793

 γ -irradiation for 3792**Wheat flour contd.**pest control in *contd.*

microwave irradiation for 6860

pests of

extraction of 657

in Egypt 451

phosphine in, residues of 1701

Stegobium paniceum in 3095*Tribolium* spp. in, effects on bread of 1556*T. castaneum* in 1565, 3095

feeding preferences of 7458

insecticide susceptibility of 1025

T. confusum in, feeding preferences of 7458*T. destructor* in

feeding preferences of 6305

oviposition by 6305

Wheat germ

diet component for

Acrolepiopsis assectella 1830*Aegeria pictipes* 1845*Chilo suppressalis* 134*Choristoneura fumiferana* 3031*Cydia pomonella* 3253-3254*Diatraea saccharalis* 237, 6577, 6666*Diparopsis castanea* 1840*Eurygaster integriceps* 5388*Heliothis virescens* 2566*H. zea* 1227, 3408, 6577*Hydraecia micacea* 1238*Hyphantria cunea* 1242

Lepidoptera 1230

Ostrinia nubilalis 5393, 7111*Pectinophora gossypiella* 3491*Prionoxystus robiniae* 3500*Sitophilus oryzae* 1757*Spodoptera exigua* 5923*Sitophilus granarius* feeding responses to 5063**Wheat-germ powder, diet component for,***Anadevidia peponis* 1832**Wheat meal***Cryptolestes* spp. in, development of 3096*Oryzaephilus surinamensis* in, development of 1799

pests of, in USA 3089

Tenebrio molitor in, development of 2422*Trogoderma granarium* in 1565**Wheat mosaic streak, (caused by cardamom (greater) mosaic streak virus) 946****Wheat semolina**

bromophos in, residues of 6285

diet component for, *Ephestia kuehniella* 2571**Wheat shorts, diet component for, *Dacus zonatus* 1785****Wheat (stored grain)***Alphitobius diaperinus* in 6314

Wheat (stored grain) *contd.*

- arthropods in
 - imported into Portugal 1537
 - in Yugoslavia 6853
- Aspergillus* spp. in, in South Korea 2165
- Bacillus thuringiensis* in, dispersal by
 - beetles of 5729
- bait component for, stored-product insects 5706
- γ -BHC in, residues of 5782
- bromomethane in
 - effects on germination of 3797
 - penetration of 5061
- bromophos in, degradation of 6285
- carbon disulfide in, effects on germination of 3797-3798
- chlorpyrifos-methyl in, residues of 6292
- Cryptolestes* spp. in, development of 3096
- C. ferrugineus* in, damage caused by 6318
- diazinon in, metabolism of 3786
- diet component for
 - Eurygaster austriaca* 4176
 - E. integriceps* 5388
 - E. maura* 4176
- Ephestia cautella* in 1701
- E. kuehniella* in, development of 2196
- Eurygaster integriceps* in, damage caused by, detection of 7150
- fenitrothion in, residues of 6292
- fumigants in
 - effects of temperature and air pressure on 5059
 - residues of 1053
- Fusarium moniliformis* in, producing
 - insect growth promoting factor 4436
- insect damage to 6311
 - effects of species composition on 5050
- insect growth regulators in, metabolism of 6936
- insect pests of
 - damage caused by 4437
 - in Uttar Pradesh 4437
 - varietal preferences of 4437
- insecticides in, determination of 1827, 6271
- Lasioderma serricorne* in, development of 4096
- Leptinotarsa decemlineata* in, imported into Northern Ireland 5978
- malathion in, residues of 5708, 6292
- microflora of, aphid control reducing 6677
- organochlorine insecticides in, residues of 6311
- Oryzaephilus mercator* in, development of 114
- O. surinamensis* in
 - development of 1799
 - in Chile 6245

Wheat (stored grain) *contd.*

- pest control in
 - Bacillus thuringiensis* for 7466
 - bromophos for 449
 - effects of moisture on 3787-3788
 - factors influencing effectiveness of insecticides for 6252
 - inert atmospheres for 6303
 - inert dusts for 5709
 - infrared irradiation for 6265
 - insect growth regulators for 7464
 - IR-irradiation for 939
 - malathion for 7470
 - microwave irradiation for 6265, 6860
 - non-uniform insecticides for 6864
 - pirimiphos-methyl for 448, 5411
 - radio-frequency irradiation for 7471
- pests of
 - effects of dockage on 5054
 - in Taiwan 4441
- phosphine in
 - adsorption of 2167
 - concentration gradients of 5060
 - diffusion rate of 5059
 - effects on germination of 3797-3798
 - residues of 1701
- phoxim in, metabolism of 6972
- pirimiphos-methyl in, residues of 6292
- Plodia interpunctella* in 3097
 - in Bulgaria 2166
 - in Peru 680
- Rhyzopertha dominica* in 6229
 - damage caused by 4439, 6318
 - in Chile 6245
 - in Peru 680
 - resistance to, effects of temperature on 3785
 - varietal preferences of 4438
- Sitophilus* spp. in, in Peru 680
- S. granarius* feeding responses to 5063
- S. granarius* in
 - damage caused by 6318
 - development of 6280
 - effects of fungi on 1560
 - in East Germany 6309
 - in Italy 2656
- S. oryzae* in 1565-1566
 - development of 938
 - in Chile 6245
 - in East Germany 6309
 - in South Korea 2165
 - resistance to, effects of temperature on 3785
 - varietal preferences of 4438
- Sitotroga cerealella* in
 - damage caused by 5710
 - in Peru 680
 - rearing of 7522
- tetrachlorvinphos in, residues of 5708
- Tribolium* spp. in, in Chile 6245

Wheat (stored grain) contd.*Tribolium* contd.*T. castaneum* indevelopment of, effects of prey
availability on 3407

in Italy 2656

T. confusum in

in East Germany 6309

in Italy 2656

Trogoderma granarium in 1701

damage caused by 4439, 6312

in East Germany 6309

in India 5051

in Punjab 6315

T. variabile in 1160**Wheat streak mosaic virus**

hosts of 3804

in

Aceria tosichella, transmission of 3804*A. tulipae*, transmission of 2779

wheat, in Kansas 2779

Wheat striate mosaic virus (European)

in

barley, in Turkey 6038

Javesella dubia, transmission of 2183*J. pellucida*

effects of 2183-2184

effects on alate production of 25

transmission of 2183

oats, in Turkey 6038

wheat, in Turkey 6038

Wheat (winter) mosaic virus, in,*Psammotettix striatus*, transmission of
6673*Williamsi, Frankliniella***Willison's lure (see 2-Butanone, 4-(4-hydroxyphenyl)-)****Willow (see *Salix*)****Willow, basket (see *Salix viminalis*)****Windward Islands, Reduviidae in 5378****Wine, attractant for, *Cydia pomonella*
6722****Winter crookneck (see Squash)****Winter squash (see Squash)*****Winthemia***

keys to 776

parasitising, *Caligo* spp., in Colombia
3540***Winthemia datanae***

eggs of 776

in USA 776

parasitising

Heliethis virescens, in North Carolina
776*H. zea*, in North Carolina 776***Winthemia manducae***

eggs of 776

in USA 776

parasitising

Heliethis virescens, in North Carolina
776*H. zea*, in North Carolina 776***Winthemia rufopicta***

biology of 794

eggs of 776

emergence in 795

in USA 776, 794-795

parasitising

Heliethis virescens, in North Carolina
776, 794-795*H. zea*, in North Carolina 776,
794-795***Winthemia sinuata***

eggs of 776

in USA 776, 1916

parasitising

Heliethis virescens, in North Carolina
776*H. zea*, in North Carolina 776*Plathypena scabra*, in Iowa 1916**Wireworm (see Elateridae)****Wisconsin**

cole crops in, pest control on 349

cucumber in, pest control on 358

Dasychira plagiata in, on *Pinus* 4390*Hypera postica* in, natural enemies of
7197

maize in, pest control on 285

Palus beirnei in, on grasses 1101

pea in, pest control on 1455

Phytocoris discoidalis in 1723

Phytoseiidae in, in apple orchards 7311

Rhopalosiphum maidis in 1176*Synanthedon pictipes* in 4109***Wiseana cervinata***

diazinon resistance in, testing for 2280

fenitrothion resistance in, testing for
2280

in New Zealand 1977, 2280

in pastures, in New Zealand 1977

nuclear polyhedrosis virus in

in New Zealand 1977

transmission of 1977

preyed on by, birds, in New Zealand
1977trichlorphon resistance in, testing for
2280***Wiseana despecta***

diazinon resistance in, testing for 2280

fenitrothion resistance in, testing for
2280

in New Zealand 2280

trichlorphon resistance in, testing for
2280**WL-18236 (see Methomyl)****WL-24073 (see Phosphonothioic acid,
ethyl-, O[2-chloro-1-(2,5-**

dichlorophenyl)ethenyl] O-methyl ester)

**WL-25735 (see Phosphonothioic acid,
methyl-, O[2-chloro-1-(2,5-**

dichlorophenyl)ethenyl] O-methyl ester)

**WL-29319, against, *Trialeurodes*
vaporariorum 3937****Wofatox (see Methyl-parathion)**

- woglumi*, *Aleurocanthus*
Wolf, timber (see *Canis lupus*)
womersleyi, *Amblyseius*
Wood
insect pests of, in Poland 5713
preservatives for 3795
termite control in, evaluation of 4719
Woodcock (see *Philohela minor*)
woodi, *Acarapis*
Woodland, *Solenopsis invicta* in, in Texas 5990
Woodland, coniferous
Formica lugubris in, in Bulgaria 755
F. rufa in, in Bulgaria 755
Woodland, deciduous, *Formica exsecta* in, in Bulgaria 755
Woodland litter, *Anthonomus grandis* in, in Texas 4102
Woodlouse (see Oniscoidea)
Woodpeckers, preying on, *Podosesia syringae*, in Mississippi 922
Woody plants, fumigation of, standards for 6926
Wool
in *Tineola bisselliella*, digestion of 37
organochlorine insecticides in, residues of 4578
Worms, DDT in, residues of 2315
Wotexit (see Trichlorphon)
wroughtoni, *Archotermopsis*
wygodzinskyi, *Atrachelus cinereus*
Wyoming
Choristoneura occidentalis in, on conifers 5009
field crops in, pest control on 2259
grasshoppers in 4878
Hypera postica in
natural enemies of 189
on lucerne 189
vegetable crops in, insect control on 1641
X-rays
effects of, on
Adoxophyes orana 4086
Hylemya antiqua 2460, 3243
Philola casei 2461
Rhynchophorus ferrugineus 146, 3233
Tetranychus urticae 3247
Tribolium castaneum 4685
T. confusum 4685
for detecting wheat grains damaged by
Eurygaster integriceps 7150
prediction of sterilising doses of 3427
Xanthium pensylvanicum, *Spissistilus festinus* on, development of 6162
Xanthogramma aegyptium (see *Ischiodon aegyptius*)
Xanthogramma scutellare
in India 2294
insecticides in, toxicity of 2294
preying on, *Lipaphis erysimi*, in Rajasthan 2294
xanthographus, *Naupactus*
Xanthomelanodes arcuatus
in USA 4804
parasitising, *Pselliopus barberi*, in Missouri 4804
Xanthommatin, in *Drosophila melanogaster*, conversion of 3-hydroxykynurenine to 6467
Xanthomonas
in
Ostrinia nubilalis, in Iowa 7485
Rhagoletis completa 7295
tobacco 7295
walnut 7295
Xanthopastis timais
control of
insecticides for 2112
traps for 2112
in Brazil 2112
on Amaryllidaceae, in Brazil 2112
taxonomy of 2112
Xanthopimpla, parasitising, *Erionota thrax*, in Indonesia 726
Xanthopimpla predator
in India 4786
parasitising, *Mocis undata*, in Madhya Pradesh 4786
xanthopsis, *Chorinaeus*
xanthorrhoea, *Euproctis*, (*Porthesia*)
xanthostigmus, *Apanteles*
xanthostomus, *Campoplex*, (*Sinophorus*)
Xenocrepis
in beet fields
effects of insecticides on 5467
effects of ploughing on 5467
parasitising, *Bothynoderes punctiventris*, in USSR 5467
Xenolechia
on *Quercus*
damage caused by 6824
in Yugoslavia 6824
xenomanes, *Trichomasthus*
Xenopus laevis, insecticides in, effects on sense organs of 5791
Xeris, cytoplasmic polyhedrosis virus in 2151
Xeris morrisoni
in USA 3741
on *Abies concolor*, in USA 3741
on *Abies lasiocarpa*, in USA 3741
Xeris spectrum
in USA 3741
on *Abies concolor*, in USA 3741
on *Abies lasiocarpa*, in USA 3741
on *Picea engelmannii*, in USA 3741
on *Pinus ponderosa*, in USA 3741
Xestia c-nigrum
development in, effects of photoperiod on 5351
in Iran 1340
in Japan 869
in USSR 313

***Xestia c-nigrum* contd.**

- on beet, in Japan 869
- on grape vine, in Azerbaijan 313
- taxonomy of, characters distinguishing
- Mamestra brassicae* and 869
- traps for 1340

Xestobium rufovillosum

- in Poland 5713
- in wood, in Poland 5713

Xestocephalinae*, in New Zealand 1086**Xiphidriidae*, keys to 426*****XMC* (see Phenol, 3,5-dimethyl-, methylcarbamate)*****xuthus, Papilio******Xyela minor***

- in USA 6839
- on *Pinus resinosa*, in Minnesota 6839

Xylan*, in *Costelytra zealandica* diet, utilised by bacteria 2828**Xylanase, endo-1,3-*, in *Locusta migratoria* gut 739*****Xyleborinus***

- biology of 5692
- in forests, in Brazil 5692

Xyleborinus saxeseni* (see *Xyleborus*)**Xyleborus***

- biology of 5692
- in forests, in Brazil 5692

Xyleborus abscissus

- sp. n., description of 2340
- in Malaysia 2340
- on *Shorea*, in Sarawak 2340

Xyleborus affinis

- biology of 5692
- control of, insecticides for 411
- in Brazil 5692
- in USA 411
- in forests, in Brazil 5692
- on *Dracaena fragrans*, in Florida 411
- on mango 5692

Xyleborus asperatus

- in Indonesia 3482
- on coffee, in Timor 3482

Xyleborus dispar

- Ambrosiella hartigii* in 4398
- biology of 1415, 4398
- control of, insecticides for 1415
- in Austria 1415
- in Switzerland 3543
- in USA 4398
- in West Germany 3543
- on apple, in Austria 1415
- on conifers
- in Switzerland 3543
- in West Germany 3543
- on deciduous trees
- in Switzerland 3543
- in West Germany 3543
- on plum, in Austria 1415
- parasitised by
- Perniphora robusta*
- in Switzerland 3543

***Xyleborus dispar* contd.**

parasitised by contd.

***Perniphora robusta* contd.**

in West Germany 3543

Xyleborus ferrugineus

- biology of 5692
- control of, insecticides for 411
- flight activity in 5672
- in Brazil 5692
- in USA 411, 5672
- in forests, in Brazil 5692
- in oak-hickory forests, in Missouri 5672
- on cacao 5692
- on *Dracaena fragrans*, in Florida 411

Xyleborus fornicatus

- in India 3022
- in Sri Lanka 404
- on tea
- distribution pattern of 3023
- in India 3022
- in Sri Lanka 404

Xyleborus perforans

- in Papua New Guinea 6207
- on fire-damaged trees, in Papua New Guinea 6207

Xyleborus pinicola

- in Thailand 3482
- on *Pinus*, in Thailand 3482

Xyleborus saxeseni*Ambrosiella sulphurea* in, transmission of 6816

- biology of 1415
- control of, insecticides for 1415
- flight activity in 5672
- in Austria 1415
- in Switzerland 3543
- in USA 5672
- in West Germany 3543, 6816
- in oak-hickory forests, in Missouri 5672
- on apple, in Austria 1415
- on conifers
- in Switzerland 3543
- in West Germany 3543
- on deciduous trees
- in Switzerland 3543
- in West Germany 3543
- on plum, in Austria 1415
- parasitised by

Perniphora robusta

- in Switzerland 3543
- in West Germany 3543

Xyleborus sayi

- flight activity in 5672
- in USA 5672
- in oak-hickory forests, in Missouri 5672

Xyleborus xylographus

- flight activity in 5672
- in USA 5672
- in oak-hickory forests, in Missouri 5672

Xyleutes ceramicus

- biology of 5044
- distribution of 5044

- Xyleutes ceramicus* *contd.*
in Indonesia 5044
on *Tectona grandis*, in Indonesia 5044
- Xyleutes punctifer*
in Grenada 5399
on *Achras zapota*, in Grenada 5399
on lime (*Citrus*), in Grenada 5399
on *Melicocca bijuga*, in Grenada 5399
- Xylia dolabriformis*, *Neostauropus alternus*
on, in India 4917
- Xylobiops basilaris*
damaging lead cable-sheathing, in Indiana 1572
in USA 1572
on *Rhus radicans*, in Indiana 1572
- Xylocopa*, taxonomy of, characters distinguishing *Ceratina* and 6869
- Xylocopa micans*
biology of 6869
control of 6869
in USA 6869
in dwellings, in Florida 6869
in timber, in Florida 6869
taxonomy of, characters distinguishing *X. virginica* and 6869
- Xylocopa virginica*
biology of 6869
control of 6869
in USA 6869
in dwellings, in Florida 6869
in timber, in Florida 6869
taxonomy of, characters distinguishing *X. micans* and 6869
- Xylocoris*
in Canada 7015
in USA 7015
taxonomy of 7015
- Xylocoris flavipes*
fecundity in 4093
life tables for 4093
preying on
Oryzaephilus surinamensis 7188
Tribolium castaneum, and biological control using 3834
- Xylocoris galactinus*
in Japan 3845
preying on, *Chilo suppressalis*, in Japan 3845
- xylographus*, *Xyleborus*
Xylomyges eridania (see *Spodoptera*)
- xyloni*, *Solenopsis*
Xylopertha, in timber, imported into USSR 6319
- xylophagorum*, *Roptrocerus*
- Xylosandrus compactus*
biology of 7405
control of 7405
insecticides for 332
food-plants of 332
in India 7405
in USA 332
on avocado, in Florida 332
- Xylosandrus compactus* *contd.*
on coffee, in India 7405
- Xylosandrus morigerus*
in Indonesia 3482
on coffee, in Timor 3482
- D-Xylose**
diet component for, *Diparopsis castanea* 1840
in *Odontotermes obesus* diet, absorption of 4624
- Xylosidase*, α -, in *Locusta migratoria* gut 739
- Xylosidase*, *exo-1,4- β -*, in *Locusta migratoria* gut 739
- xylostei*, *Hoplocampoides*
xylostella, *Plutella*
- Xylotachina diluta*
in Bulgaria 420
parasitising, *Cossus cossus*, in Bulgaria 420
- Xyloterus domesticum* (see *Trypodendron*)
- Xyloterus lineatum* (see *Trypodendron*)
- Xylotrips*, in timber, imported into USSR 6319
- Xylotrips religiosus*
in Papua New Guinea 6207
on fire-damaged trees, in Papua New Guinea 6207
- Xylotrupes dichotomus*, dorsal vessel in, fluctuations in pulse frequency of 7062
- Xylotrupes gideon*
control of, hand collection for 5477
descriptions of 5477
in India 5477
on *Indigofera teysmanni*, in Assam 5477
- Xylotrupes gideon asperulus*
in New Hebrides 4300
on *Poinciana regia*, in New Hebrides 4300
- Xylotrupes gideon szekessyi*
in Solomon Islands 4300
on *Poinciana regia*, in Solomon Islands 4300
- Xylotrupes gideon ulysses*
in Papua New Guinea 4300
on coconut
in New Britain 4300
in New Ireland 4300
rearing of, techniques for 4300
- Yam** (*Dioscorea* spp.)
Planococcus dioscoreae on, in Papua New Guinea 5630
Senoclidia purpurata on, in Papua New Guinea 5630
- Yam** (stored tubers), *Carpophilus dimidiatus*
in, in USA 1846
- Yamatocallis*, in Japan 1095
- Yamatocallis acericola*
sp. n., description of 1095
in Japan 1095
on *Acer carpiniifolium*, in Japan 1095

- Yanga guttulata***
 biology of 246
 in Malagasy Republic 246
 on sugar-cane, in Malagasy Republic 246
- yanonensis, Unaspis***
- yasumatsui, Elenchus***
- yasumatsui, Megachile***
- yasumatsui, Paracentrobia***
- Ycaploca evansi***
 gen. et sp. n., description of 3993
 in Australia 3993
 in South Africa 3993
 parasitising, *Hylotrupes bajulus*, in South Africa 3993
- Yeast extract**
 culture-medium component for
Beauveria bassiana 2217
Entomophthora thaxteriana 2194, 4480
Metarhizium anisopliae 2217
 diet component for
Myzus persicae 1836
Oncopeltus fasciatus 660
Spodoptera littoralis 668
 in *Anthrenus flavipes* diet, effects on feeding of 4053
- Yeast hydrolysate**
 bait component for
Anastrepha suspensa 5270
Rhagoletis pomonella 2879
 diet component for, *Semiadalia undecimnotata* 2570
- Yeasts**
 diet component for
Ahasverus advena 3088
Ceratitis capitata 3231
Cydia pomonella 3254
Diatraea saccharalis 237
Ephestia calidella 1191
E. figulilella 1191
Galleria mellonella 3508
Glycyphagus destructor 621
Heliothis armigera 3495
Metasyrphus corollae 1121
Perniphora robusta 6617
Rhagoletis cerasi 3226
Semiadalia undecimnotata 5391
 Syrophidae 1121
Tineola bisselliella 1775
Tribolium castaneum 1019, 1025, 5292, 6496
 in *Corcyra cephalonica* diet, effects on fumigant susceptibility of 1668
 in *Laodelphax striatella* 6329
 in *Scolytus rugulosus*, in France 321
 in *Tribolium castaneum* diet
 effects on insecticide susceptibility of 1026
 increasing eclosion 608
 in *Tribolium confusum* diet, increasing eclosion 608
- Yemen, *Spodoptera exigua*** in, on cotton 5641
- yesonicus, Promachus***
- Yew (see *Taxus*)**
- Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-, methyl ester, (3 β ,16 β ,17 α ,18 β ,20 α)- (see Reserpine)**
- yomogiella, Coleophora***
- Youngaia*, gen. n., description of 559**
- Youngaia spinosa***
 sp. n., description of 559
 in Ghana 559
- Yponomeuta***
 on *Rhamnus cathartica*, in Netherlands 5226
 taxonomy of 5226
- Yponomeuta cagnagellis***
 in Netherlands 5226
 on *Euonymus europaeus*, in Netherlands 5226
- Yponomeuta euonymellus***
 control of, growth regulators for 5294
 in Netherlands 5226
 in West Germany 5294
 on *Prunus padus*, in Netherlands 5226
- Yponomeuta irrorellus***
 in Netherlands 5226
 on *Euonymus europaeus*, in Netherlands 5226
- Yponomeuta mahalebells***
 in Netherlands 5226
 on *Prunus mahaleb*, in Netherlands 5226
- Yponomeuta padellus***
 control of, insecticides for 3960
 in France 7549
 in Netherlands 3960, 5226
 on *Crataegus monogyna*, in Netherlands 5226
 on *Euonymus*, in Netherlands 3960
 on plum
 in France 7549
 in Netherlands 5226
 on *Prunus spinosa*, in Netherlands 5226
- Yponomeuta padellus malinellus***
 control of 3219
 in Netherlands 5226
 in Poland 2843, 4130, 6710
 in Switzerland 3626
 in USSR 6019, 6103
 on apple
 in Switzerland 3626
 in Uzbekistan 6019
 on *Malus sylvestris*, in Netherlands 5226
 parasitised by
Agoniaspis spp., and biological control using, in Uzbekistan 6019
A. fuscicollis, in Georgia (USSR) 6103
Diadegma armillata, in Georgia (USSR) 6103
 population dynamics of 3626
 seasonal abundance of 4130

- Yponomeuta plumbellus***
in Netherlands 5226
on *Euonymus europaeus*, in Netherlands 5226
- Yponomeuta rhannellus***
sp. n., description of 5225
in USSR 5225–5226
on *Rhamnus cathartica*, in Ukraine 5226
- Yponomeuta rorellus***
in Netherlands 5226
in Romania 7421
in USSR 6818
on *Salix*
in Netherlands 5226
in Ukraine 6818
on *Salix alba*, in Romania 7421
parasites of, in Ukraine 6818
parasitised by
Ageniaspis fuscicollis, in Romania 7421
Herpestomus brunnicornis, in Romania 7421
- Yponomeuta vigintipunctatus***
in Netherlands 5226
on *Sedum telephium*, in Netherlands 5226
- Yponomeutidae**
in USSR 5225
parasitised by, *Venturia canescens* 6622
- Ypsolopha ustalella***
biology of 6824
descriptions of 6824
in Yugoslavia 6824
on *Quercus*
damage caused by 6824
in Yugoslavia 6824
- Yugoslavia**
Acleris latifasciana in 4591
A. schalleriana in, on *Viburnum* 4591
Adrastus spp. in, on maize 4262
Aglenus brunneus in, in warehouses 5045
Agriotes spp. in, on maize 4262
Agromyza intermittens in, on wheat 4831
A. nigrella in, on wheat 4831
Autographa gamma in
natural enemies of 3138, 4707
on tobacco 4985
biological control in 2750
Bradybatus creutzeri in, on *Acer* 5015
Calophasia casta in 5479
Carabidae in 2598
Carpophilus dimidiatus in, in warehouses 5045
Chrysomela gypsophilae in 5479
Coleophora serratella in 5011
Coleoptera in, in mills 4485
Corythucha ciliata in, on *Platanus* 3069, 6823
Curculio elephas in, on chestnut 5121
C. glandium in, on *Quercus* 5121
- Yugoslavia contd.**
Curculio contd.
C. venosus in 5121
Cydia sinana in
on hemp 5649
on hop 5649
Dasineura mali in
on apple 5563
on *Malus sylvestris* 5563
Diprion pini in, natural enemies of 480
Elateridae in 2598, 4771
Ephestia kuehniella in, natural enemies of 6307
Eteobalea serratella in 5479
Euproctis chrysorrhoea in, natural enemies of 782, 2868
E. similis in, natural enemies of 5076, 5739
Hydrellia griseola in, on wheat 4831
Hylemya platura in, on wheat 4831
Hyphantria cunea in 4706
natural enemies of 6546
on mulberry 1594
leaf-mining insects in 5435
Lepidoptera in 2614
in mills 4485
natural enemies of 6885
Lobesia botrana in, on grapevine 5548
Lymantria dispar in 2251, 3813, 3815–3816, 5122
natural enemies of 5361, 5448
maize in, pests of 1351
Malacosoma neustria in 2251
Microctonus aethiopoides in 4602
Monosteira unicostata in, on *Populus* 430
Monotoma quadrifoveolata in, in warehouses 5045
Neodiprion sertifer in, on *Pinus* 204
Oryzaephilus surinamensis in, in granaries 449
Ostrinia nubilalis in 5325
Oulema melanopus in 1343
natural enemies of 778
Pales maculata in 4713
Panonychus citri in
natural enemies of 4326
on *Citrus* 4326
P. ulmi in
on apple 5547
on grapevine 5547
Parapoynx stratiotata in, on *Myriophyllum spicatum* 2747
pear in, pest control on 6733
Penichroa fasciata in, on maple 2179
Psoricoptera gibbosella in, on *Quercus* 6824
Psylla pyri in, on pear 4908
P. pyrisuga in, on pear 4908
Pygaera anastomosis in, on *Populus* 3052
Rhagoletis cerasi in 73

Yugoslavia contd.

- Scolytus multistriatus* in, on *Ulmus* 2121
S. scolytus in, natural enemies of 5731
Sitona spp. in, on legumes 5526
Sitophilus spp. in, in granaries 449
Sitotroga cerealella in, natural enemies of 6307
Sphenoptera jugoslavica in, on *Centaurea diffusa* 6029
sterile-insect release in 5126
storehouses in, arthropods in 6853
sunflower in, pests of 4972
sunflower seeds in, pests of 5718
Tipula spp. in 4713
Tortrix spp. in 2251
Tribolium spp. in, in granaries 449
Vanessa polychloros in, on cherry 7320
Xenolechia spp. in, on *Quercus* 6824
Ypsolopha ustalella in, on *Quercus* 6824

Yukon

- forest pests in 5673
Phytomyza rhodiolae in, on *Rhodiola rosea* 7016
Rosenus pendulus in, on grasses 1101
R. transarcticus in, on grasses 1101

Z-50 (see Fenchlorphos)

Z-80 (see Fenitrothion)

Zabrotes subfasciatus

- behaviour in, effects of light on 3782
in Peru 692
sterilisation of, γ -irradiation for 3236

Zabrus

- control of, insecticides for 3316
on wheat, in Turkey 3316

Zabrus iconiensis

- control of, insecticides for 7226
in Turkey 7226
on grain crops, in Turkey 7226

Zabrus melancholicus

- control of, insecticides for 7226
in Turkey 7226
on grain crops, in Turkey 7226

Zabrus spinipes

- control of, insecticides for 7226
in Turkey 7226
on grain crops, in Turkey 7226

Zabrus tenebrioides

- biology of 1185
in Romania 6027
in USSR 1185, 6674
life history of 6027
on grain crops, in Romania 6027
on pea, in Romania 6027
on wheat
forecasting damage by 6674
in USSR 6674
parasitised by, *Viviania cinerea*, in Romania 6027
population dynamics of 1185

zacconius, Chilo**Zadenos**

- defensive behaviour in 2403

Zadenos contd.

- defensive secretion in 2403

Zaire

- Ancistrotermes latinotus* in
in dwellings 4232
on *Eucalyptus* 4232
Platypodidae in 6555
Scolytidae in 6555

Zambia

- Ancistrotermes latinotus* in
in dwellings 4232
on *Eucalyptus* 4232
cotton in, insect pests of 4982
Nomadacris septemfasciata in 5415
Phthorimaea operculella in 2070
Schedorhinotermes lamanianus in 1311

Zantedeschia, *Brevipalpus obovatus* on, in Bulgaria 3725

Zantedeschia aethiopica, *Tetranychus shanghaiensis* on, in China 1851

Zanthoxylum ailanthoides, *Platypleura albivannata* on, in Japan 1085

Zaprionus, in Mauritius 7130

zastrowi, *Chrysopa*

zea, *Heliothis*

(*Helicoverpa*)

Zea mays (see Maize)

Zeadiatraea grandiosella (see *Diatraea*)

zealandica, *Costelytra*

zealandicus, *Tachinaephagus*

zeamais, *Sitophilus*

zebeana, *Cydia*

zebra, *Agenius*

Zebu (*Bos indicus*)

- amiton analogues in, acetylcholinesterase inhibition by 5889

Zectran (see Mexacarbate)

zehntneri, *Elasmus*

Zeidane (see DDT)

Zeiraphera diniana

- biology of 2164
control of
Bacillus thuringiensis for 2244, 5660, 6911
insecticides for 1525, 5660
dispersal of 5661
distribution of 3058
flight activity in 2163
granulosis virus in
and biological control using, in Switzerland 3135
effects of 1592
effects of *Bacillus thuringiensis* on 2244
infectivity of 3135
not interacting with *Bacillus sphaericus* 2244

sunlight protectants for 3135

transmission of 1592

in Czechoslovakia 1525

in France 1294

in Italy 1294

***Zeiraphera diniana* contd.**

in Switzerland 1294, 1896, 2128,
2157–2159, 2161, 2163–2164, 2255,
3135, 3747, 5660–5661, 6004, 6847,
6911

on *Larix* 1592, 2244

in Europe 1294, 3058

in Switzerland 1896, 2128, 2158,
2163–2164, 3135, 5660–5661, 6004,
6847, 6911

on *Larix decidua*, in Switzerland 2161,
2255, 3747

on *Picea abies*, in Czechoslovakia 1525

on *Pinus cembra* 2163

in Switzerland 3747

parasites of, in Switzerland 2128
parasitised by

Chorinaeus funebris 7018

in Alps 1294

in Switzerland 1896

Ichneumonidae, in Switzerland 2255

Phytodietus griseanae, in Switzerland
2159, 6004

Trichogramma spp., and biological
control using, in Switzerland 2157

Triclistus spp. 1294

T. podagricus, in Switzerland 1896

T. pygmaeus, in Switzerland 1896,
2255

population dynamics of 2128, 2158, 2163
models of 6847

regulatory principles in 3058

preyed on by

Acarina, in Switzerland 2157

Dermaptera, in Switzerland 2157

Heteroptera, in Switzerland 2157

Neuroptera, in Switzerland 2157

zelihae*, *Mocuellus

Zelus renardii, plant feeding in 1915

Zelus socius, plant feeding in 1915

Zenaidura macroura, organochlorine
insecticides in, residues of 2304

Zenillia nemea

in Bulgaria 2948

in UK 3035

parasitising

Lacanobia oleracea, in Bulgaria 2948

Quercus *quercus*, in England 3035

***Zeolex* 100 (see Silica)**

ZETA (see 9,12-Tetradecadien-1-ol, acetate,
(*E,Z*)-)

Zethus spinipes

in USA 206

preying on, *Rhyacionia frustrana*, in
Maryland 206

ZETOH (see 9,12-Tetradecadien-1-ol, (*E,Z*)-)

zetterstedtii*, *Mesopolobus***Zetzellia mali***

acaricides in, toxicity of 6101

feeding behaviour in 6728

in Canada 6101

***Zetzellia mali* contd.**

in East Germany 2013

in USA 4910, 6728

in apple orchards

effects of fungicides on 2013

in East Germany 2013

overwintering in 4910

preying on

Aculus fockeui, in Washington 4910

A. schlehtendali, in New York 6728

Panonychus ulmi

in New York 6728

in Washington 4910

Tetranychus mcdanieli, in Washington
4910

Zeuzera coffeae

biology of 3718

in India 2108, 3718

on cacao

damage caused by 3718

in Karnataka 3718

on tea 6801

in Assam 2108

Zeuzera pyrina

Beauveria bassiana in, in Crimea 5997

control of, insecticides for 4890

in USSR 5997

on apple, in Crimea 5997

on pear 6733

Panagrolaimus artyukhovskii in, in
Crimea 5997

zhenzhuristi*, *Pachyscelis***zhizhishavilliae*, *Tenuipalpus******ziczac*, *Erythroneura******Zieria smithii***

extracts of

attractant for, *Dacus cacuminatus*
3926

Dacus tryoni not attracted by 3926

zilahisebessi*, *Hemiptarsenus***zimmermani*, *Dioryctria******zimmermanni*, *Dactylopius******Zinc***

in cardamom, effects of mosaic virus
infection on 145

in foodstuffs, residues of 7646

in *Populus disjunctus*, effects of
insecticides on elimination of 578

in *Solenopsis invicta* 2697

in *Solenopsis invicta* queens 5311

ion (Zn^{2+}), in *Bombyx mori*, trehalase
inhibition by 4645

Zinc, bis(dimethylcarbamodithioato-*S,S'*)-
(*T*4)- (see Ziram)

Zinc, dichloro[4,4-dimethyl-5-
[[[(methylamino)carbonyl]oxy]imino]pent-
anenitrile]-

against

aphids 7605

mites 7605

Zinc, [[1,2-ethanediy]bis[carbamodithioato]-
(2-)]- (see Zineb)

- Zinc**, [[(1-methyl-1,2-ethanedithioato-)](2-)]-, homopolymer (see Propineb)
- Zinc oxide**, in *Aphytis melinus*, toxicity of 2898
- Zinc phosphide (Zn_3P_2)**
in hare, toxicity of 2293
in partridge, toxicity of 2293
in pheasant, toxicity of 2293
- Zinc**, radioactive (^{65}Zn), *Cydia pomonella* labelled with 6732
- zinckenella**, *Etiella*
- Zinckenia fascialis** (see *Hymenia recurvalis*)
- Zineb** ([[(1,2-ethanedithioato-)](2-)]zinc)
against, pests of orange 6139
in *Amblyseius aberrans*, toxicity of 2253
in *Anystis baccharum*, toxicity of 6418
in *Phytoseiulus persimilis*, toxicity of 3655, 7666
in *Tetranychus turkestanii*, not toxic 7666
in *Trialeurodes vaporariorum*
effects on parasites of 5810
toxicity of 5810
in vineyards, effects on mites of 2253
with cyanophos, against, *Eupoecilia ambiguella*, on grapevine 1999
with demephion, against, *Myzus persicae*, on sugar-beet 5620
with dicofol, against, *Tetranychus turkestanii* 7666
with dimethoate
against
Aphis fabae, on sugar-beet 5620
A. gossypii, on cucumber 5620
Myzus persicae, on sugar-beet 5620
pests of potato 5620
with fenitrothion, against, *Eupoecilia ambiguella*, on grapevine 1999
with methyl-parathion, against, *Eupoecilia ambiguella*, on grapevine 1999
with quinalphos, against, *Eupoecilia ambiguella*, on grapevine 1999
with quinomethionate, against, *Tetranychus turkestanii* 7666
- Zingiber officinale** (see Ginger)
- Zinnia**, *Palpita indica* on, development of 5903
- Zinnia elegans**
turnip mosaic virus in, aphid transmission of 5725
zinnia mild mottle virus in, aphid transmission of 1502
- Zinnia mild mottle virus**
in
Aphis craccivora, not transmitted 1502
A. solanella, not transmitted 1502
Myzus persicae, transmission of 1502
- Zinophos** (see Thionazin)
- Ziram** ((T-4)-bis(dimethylcarbomodithioato-S,S')zinc)
in apple orchards, effects on mites of 2013
- Ziziphus jujuba**
Anomala bengalensis on, in Haryana 5372
A. dorsalis on, in Haryana 5372
A. ruficapilla on, in Haryana 5372
Euproctis fraterna on
feeding preferences of 4653
in Bihar 852
in Punjab 4653
Lachnosterna insularis on, in Haryana 5372
Monosteira minutula on, in Thailand 1200
- Ziziphus mauritiana**
Apis spp. on, pollination by 7181
Musca domestica on, pollination by 7181
Polistes olivaceus on
in Punjab 7181
pollination by 7181
- ziziphus**, *Parlatoria*
- Ziziphus xylopyra**, *Euproctis fraterna* on, in Bihar 852
- Zolone** (see Phosalone)
- zonatus**, *Dacus*
- zonellus**, *Chilo* (see *C. partellus*)
- Zonocerus variegatus**
biology of 5422, 6605
control of 5422
insecticides for 6605
cytogenetics of 1254
enzymes in 1120
in Nigeria 1120, 1254, 4743, 5422, 6605
morphological variations in 1254
on cassava
damage caused by 6605
in Nigeria 6605
on *Citrus*, in Nigeria 6605
on *Cola*, in West Africa 4245
research on 4743
- Zootermopsis angusticollis**
caste differentiation in
hormonal activity during 4236
hormonal control of 4237
- zosine**, *Platyaster*
- Zosterops gouldii**, preying on, *Phthorimaea operculella*, in Western Australia 1469
- Zosterops lateralis**, preying on, *Cydia pomonella*, in New Zealand 1422–1423
- ZR-0512** (see Hydoprene)
- ZR-0515** (see Methoprene)
- ZR-0520** (see 2,4-Dodecadienoic acid, 11-methoxy-3,7,11-trimethyl-, ethyl ester, (E,E)-)
- ZR-0619** (see Triprene)
- ZR-0777** (see Kinoprene)
- Zucchini** (see Squash)
- zwoelferi**, *Amblyseius*

Zygina maculifrons

in India 888

on sesame, in Tamil Nadu 888

Zyginidia quyumi

in Pakistan 2776

on maize, in Pakistan 2776

on wheat, in Pakistan 2776

seasonal abundance of 2776

Zygobothria atropivora

in India 1890

parasitising, *Acherontia styx*, in Rajasthan
1890

Zygobothria ciliata

in India 1890

parasitising, *Acherontia styx*, in Rajasthan
1890

Zygogramma suturalis

biology of 2757

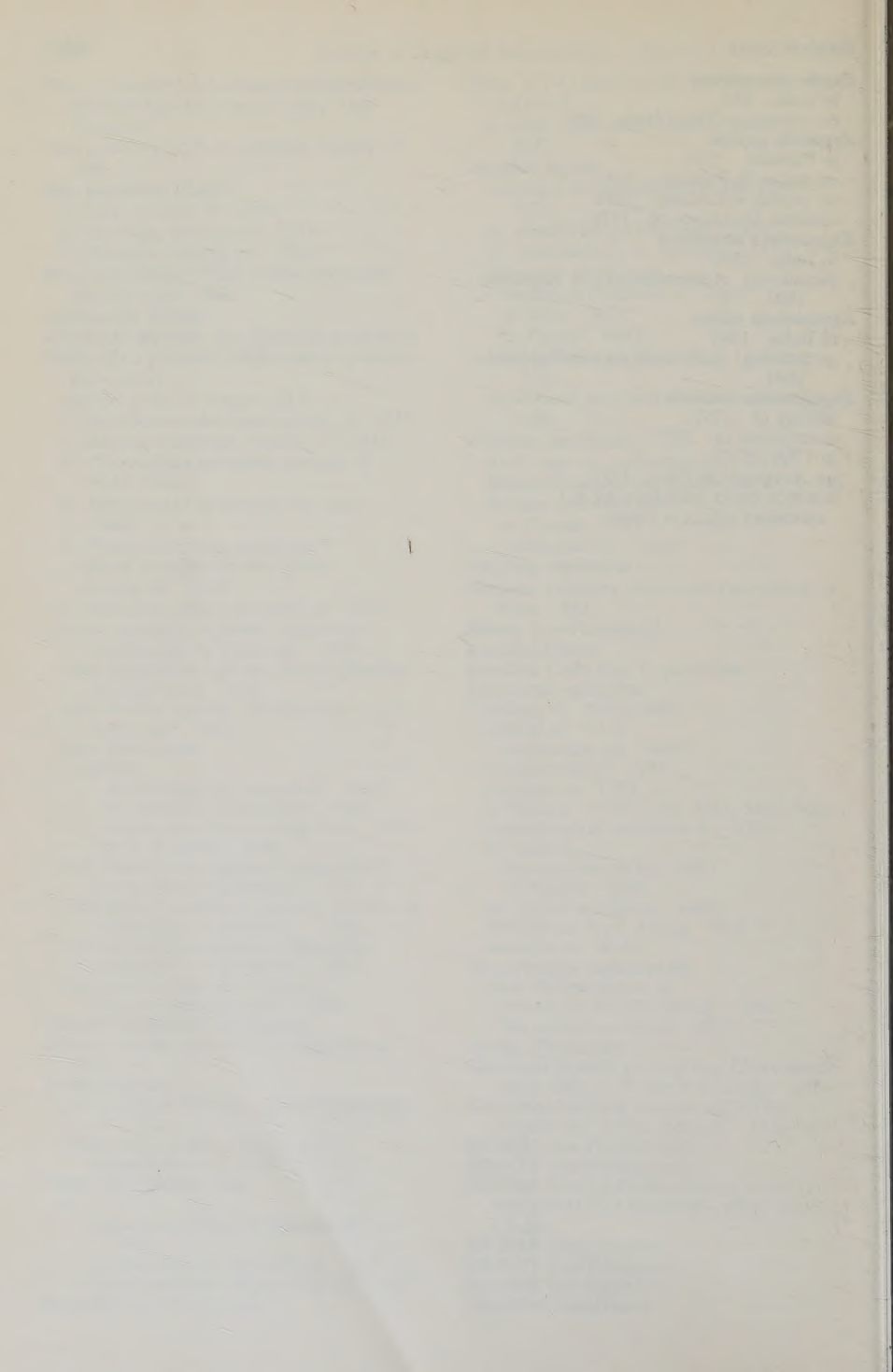
descriptions of 2757

in USA 2757

on *Ambrosia*, in Ohio 2757

SUBJECT INDEX PREPARED BY D J

ASHCROFT AND A M WOOD



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